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THE

WEEKLY WEATHER REPORT, 1922.

(VOL. XXXIX.—NEW SERIES.)

Particulars of Temperature, Rainfall and Bright Sunshine for each week.

Published by the Authority of the Meteorological Committee.

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1923.

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THE WEEKLY WEATHER REPORT, 1922.

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PREFACE.

The serial statistical publications of the Meteorological Office for the year 1922 will be as follows:—

The Weekly Weather Report.

The Monthly Weather Report.

The British Observatories' Year Book. This will contain Geophysical data as well as Meteorological data.

Réseau Mondial. Monthly Values for Stations distributed over the Globe.

The general title for the Serial Statistical Publications of the Office, "The British Meteorological and Magnetic Year Book," which has been in use, with variations, since 1908, is now discontinued.

THE WEEKLY WEATHER REPORT.

The first number of the *Weekly Weather Report* was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884, when the page was enlarged to its present size. A short history of the Report is given in the Introduction for 1916; for further information reference may be made to the *Annual Report of the Meteorological Committee for the year ended 31st March*, 1913, p. 37.

The Report formerly consisted of two sections. Section I contained mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind: it is represented by the present volume. The publication of Section II, which consisted of daily weather charts of the North Atlantic and surrounding continents, was suspended in August, 1914. The Appendices published annually up to 1920 have now been discontinued.

A Guide to the Tables contained in the Weekly Issues of the Report is published separately. An explanation of the system adopted in dealing with District Values will be found in the Guide.

No change of importance was made in the form of the weekly issues during 1922.

Observations from Ireland were received with great irregularity during a large part of the year, and it was impossible to compute district values for Districts 9 and 10 from the twenty-sixth week onwards.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for meteorological purposes are shown in the Frontispiece Map. Fuller particulars of the stations will be found in the Introduction to the *Monthly Weather Report*. The following changes have been made in the stations used for the computation of values for districts.

District 0.—The place of Glencarron, at which observations of temperature and rainfall had ceased at the end of 1921, was taken by Achnashellach as from the thirty-fifth week of the year.

Inverness was added to the list of district value stations for sunshine as from the fortieth week.

District 1.—The site of the station at Dundee was changed from Kirklon of Mains to Mayfield in November.

District 2.—Observations at Alnwick Castle having ceased at the end of August, Cockle Park was used as a district value station for temperature and rainfall as from the thirty-eighth week.

District 9.—From January to June inclusive, values for Blacksod Point were taken from the Daily Weather Report when available, and values for Mallarany were used when Blacksod values were missing. For the remainder of the year, values for Mallarany were used.

The following Table gives the district value stations utilised in 1922.

DISTRICT-VALUE STATIONS, 1922.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick, Strathpeffer, Glencarron (or Achnashellach), Fort Augustus, Fort William.	Deerness, Stornoway, Inverness.	Lerwick, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff, Inchkeith, West Linton, Marchmont.	Crathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Inchkeith.
2	Alnwick (or Cockle Park), Tynemouth, Durham, Rounton, Scarborough, York, Spurn Hd., Lincoln, Cranwell.	Cockle Park, Durham, Scarborough, York, Cranwell, Skegness.	Tynemouth, Spurn Head, Cranwell.
3	Cromer, Little Massingham, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Cromer, Little Massingham, Yarmouth, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Worksop, Nottingham, Birmingham, Raunds, Oxford, Cheadle, Tenbury, Hereford, Clifton.	Harrogate, Sheffield, Worksop, Nottingham, Birmingham, Oxford, Ross on Wye, Clifton.	Nottingham, Benson.
5	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Porton, Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Folkestone, St. Leonards, Southampton, Ventnor.	Dungeness, Richmond (Kew Obs.).
6	Ford, Renfrew, Rothesay, Kilmarnock, Colmonell, Dumfries, Douglas.	—	Renfrew, Eskdalemuir.
7	Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Liverpool, Hawarden Br., Manchester (Whit. Pk.), Llandudno, Holyhead.	Hoylake, Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Llandudno, Aberdovey.	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury, Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Bath, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Hd., Blacksod Point (or Mallarany). Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh.	Malin Head, Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Killarney, Cahirciveen (Val. Obs.), Roches Pt.	Dublin (Phœnix Park), Birr Castle, Cahirciveen (Val. Obs.), Ballinacurra.	Cahirciveen (Val. Obs.) Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey.	Scilly, Jersey, Guernsey.	Scilly, Jersey.

* The average of Blackpool and Southport readings is taken as if referring to a single station.

THE BOOK OF NORMALS.—The normal values of some of the more important meteorological elements have been published from time to time in Appendices to this Report. The last of the series was Appendix IV, 1913, in which normals for periods ending 1910, were set out. "The Book of Normals of Meteorological Elements for the British Isles for periods ending 1915," is being issued in the more convenient form of an octavo volume. Section I contains monthly normals for stations of Temperature, Rainfall and Sunshine, Section II is devoted to Weekly, Monthly, Quarterly and Seasonal Normals for Districts, Section III to maps of the normal distribution of Temperature, Rainfall and Sunshine for the British Isles, and Section IV to the range of variation of Temperature and Rainfall.

Meteorological Office,
London, S.W. 7,
November, 1923.

G. C. SIMPSON,
Director.

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METEOROLOGICAL OFFICE.

WEEKLY WEATHER REPORT, 1922.

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES.

The first page contains a digest of the whole information for the week as much as possible in words and as little as possible in figures. It begins with a general summary in words and then a summary of wind components, based upon the records of anemometers, is followed by a table showing for the Districts into which the Kingdom is divided, the character of the week for warmth, rainfall and sunshine. The numerical summary for each District is given on the fourth page. The summaries are based on the information for the individual stations set out on two inner pages.

Table II. Wind Components.

This table gives the frequency of occurrence of winds with components from north or south and from east or west, information which is frequently required, especially by medical men, when the conditions favourable to warmth, rainfall, and sunshine are under consideration. The information is given for various representative stations at which anemographs showing the direction of the wind as well as its speed are installed. Particulars as to the heights at which the instruments are exposed will be found in Table I. For further details, reference may be made to the Annual Summary of the Monthly Weather Report.

The records are tabulated to give the mean speed of the wind for the hours centring at 3h., 9h., 15h., and 21h. G.M.T. Directions are read to the nearest 10°, and the values of the wind components at each of the named hours are computed. The mean value of each component refers to the number of times it actually occurs—the " frequency " of the table. The means are in most cases computed in metres per second and converted to miles per hour. Direction is not tabulated when the speed of the wind is less than 3 miles per hour, and winds of less than that speed are counted as " calm."

It should be noted that if the mean direction for the hour is tabulated as E. or W., no north or south component is entered, accordingly the sum of the frequencies of north and south component and of " calms " is not always equal to 28.

Table III. Warmth, Rainfall and Sunshine. Comparison with Normal.

(The Classification is based upon the Values for each District published in Table VI. of each Weekly Issue.)

Warmth.—The week's warmth is called **unusual** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **deficient** if it so much below the normal for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.**

Rainfall.—The week's rainfall is called **heavy** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **light** if it is so much below the normal for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate**. When the week has been without rain, the word **nought** is inserted in the column for the district.

Sunshine.—The week's sunshine is called **abundant** if it so much above the normal for the time of year, that in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **scanty** if it is so much below the normal for the time of the year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate**. When the week has been without sunshine the word **nought** is inserted in the column for the district.

The classification for warmth may be put briefly in tabular form as below, and similar tables apply to Rainfall and to Sunshine.

Classification for Warmth.

Number of weeks on the Average in 12 years.					
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.	Total.
1	3	4	3	1	12

The normals referred to above are the smoothed normals of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in a paper by R. G. K. Lempfert : " A New Method of Treating Meteorological Statistics," Journal of the Board of Agriculture, Vol. xiv., No. 1, April, 1907.

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In the Summaries for the current season the first figures in each column denote the number of weeks of **unusual** warmth, **heavy** rainfall and **abundant** sunshine in each district. The second figures denote the number of **moderate** weeks. The third figures denote the number of weeks of **deficient** warmth, **light** rainfall, **scanty** sunshine. **Very unusual** weeks are included with **unusual** weeks in this table, and so for the other extreme characters.

Table IV. Temperature, Rainfall and Sunshine at Stations in the British Isles.

TEMPERATURE.—(*a*) **Of the Air.**—In general the temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvred screen, on a four-legged stand, at a height of about 4 feet above the ground. At the Royal Observatory, Greenwich, a Glaisher stand is in use, and the extreme readings by day and by night are likely to be respectively higher and lower than the air temperature. The hours of observation are generally those given in the Monthly Weather Report, but for the observatories at Aberdeen, Eskdalemuir, Richmond and Cahirciveen the observations at 7h., and at 18h., are utilised.

At stations marked *a*, the extremes of temperature are for the 24 hours beginning or ending at the morning observations (generally at 9h. G.M.T.). At stations marked *p*, the extremes of temperature are for the 24 hours ending in the evening generally at 21h. From March 1, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and the night minimum and refer to the intervals 7h. to 18h., and 18h. to 7h. respectively. The thermometers in question are set twice a day. These stations are indicated by a "*t*" in the tables. From April 3, 1921, extremes of temperature at stations indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. The thermometers at these stations are set once a day, the maximum thermometer at 9h., the minimum at 17h. The rule with such stations is that the mean maximum and mean minimum refer to the specified interval, but that the extreme temperatures for the week are noted even when they occur at anomalous hours. If the highest temperature of the week occurs between 17h. on one day and 9h. on the next, it is credited to the calendar day on which it probably occurred.

The mean temperature published in this Report is calculated from the maximum and minimum but is intended to represent the true mean temperature for the week. It differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If X and N are the means of the daily maxima and minima, the amounts to be added or substracted from $\frac{1}{2}$ (X+N) to get the mean temperature are shown in the following table :—

Jan. and Dec.	Feb. and Nov.	Mar. and Oct.	Apr. and Sept.	May and Aug.	June and July.
Add ·02 (X—N)	Nil	Subtract ·015 (X—N)	Subtract ·024 (X—N)	Subtract ·030 (X—N)	Subtract ·035 (X—N)

The table is based on formulæ proposed by General Strachey and derived from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office. (*See* Q.W.R. 1878. App. II.) In the summer the mean of the maximum and minimum temperatures is higher than the true mean for the day as the highest temperatures do not last for many hours. In midwinter it happens frequently that the same cold night gives a low minimum for two consecutive periods of 24 hours, so that the mean temperature derived from the maximum and minimum readings is too low and requires a positive correction. Strachey's investigation referred in the first instance to maxima and minima for the 24 hours ending at midnight. The formulæ are used in this report for readings at 9h. and 21h., and also for the day maxima and night minima. Recent investigation has shown, however, that even under these circumstances the " Strachey Mean " is a fair approximation to the true mean. The correction to be applied to the " mid-temperature " *i.e.*, $\frac{1}{2}$ (X+N) to obtain the Strachey Mean is about −0·6°F. in summer months, and +0·1°F. or +0·2°F. in winter. It should be noted that " Strachey Means " are not utilised in the station table of the Monthly Weather Report (Table III.) which is therefore not directly comparable with Table IV of the Weekly Weather Report.

(*b*) **On the Grass.**—The " temperature on the grass " is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, *i.e.*, about 2 inches above the ground. The grass minimum thermometer does not record the temperature of the air at its own level but rather its own temperature, *i.e.*, that of a bulb filled with spirit, losing heat by radiation in all directions and receiving heat by radiation from the clouds, from the atmosphere itself, from the ground and from surrounding objects, and by contact with the air. Although the thermometer does not give the temperature of the air or of the grass-blades, its readings do indicate the circumstances in which those temperatures are high or low. A night is reckoned as a night of ground frost if the minimum indicated is 30·4° F. or below.

(*c*) **In the Ground.**—The temperature of the ground is obtained from a thermometer whose bulb is embedded in a non-conducting material (usually paraffin wax) contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. For the readings which are usually made at 9h. G.M.T., the thermometer is pulled up from the tube. Separate iron tubes are used for the 1 foot and 4 feet thermometers.

RAINFALL.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, *i.e.*, the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground.

In counting the number of days of precipitation at a station where the measurements are made in hundredths of an inch, credit is given for every entry (even ·01 in.). At a station where the measurements are in millimetres, readings of 0·1 mm. are ignored and the number of days of precipitation includes only days with 0·2 mm. or more.

SUNSHINE.—The records are obtained from the Campbell-Stokes recorder in which the sun's rays are concentrated upon a blue card by means of a lens of a definite size and refractive index. The specification is given in the Observers' Handbook M.O. 191. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than that which would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

The possible duration of sunshine with which the recorded duration is compared is the length of the day beginning and ending when the centre of the sun would be visible in the horizontal plane through the station, if it were not for obstruction by hills, &c. Allowance is made for the refraction of the light. It should be noted, however, that in the most favourable circumstances, the Campbell-Stokes instrument does not record sunshine when the sun is less than 3° above the horizon (*See* "Book of Normals," Sec. 1. p. 87), so that 100 per cent. of the possible duration never occurs.

Table V. Summary of Autographic Records of Wind.

WIND.—All the records are obtained from instruments of the Dines Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind in an open horizontal tube facing the wind, and partly by the suction of the wind passing rows of holes in a vertical tube. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

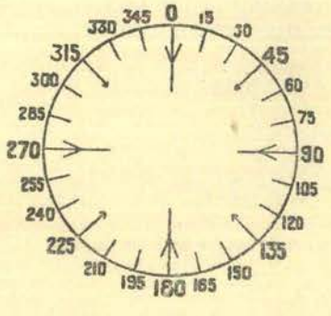
In setting out the distribution of winds according to mean speeds the limits assigned to the several numbers of the Beaufort scale of wind-force have been observed.

It is now recognised that the mean speed of the wind varies rapidly with height so that the same gale will be represented by different wind speeds recorded by two anemometers at different heights at the same place. Of the anemometers which were used in the discussion of the Beaufort scale by Simpson (M.O. publication 180) those at Scilly had the best exposure. Accordingly the table which is based on that discussion may be regarded as giving the speed measured at 10 meters (33 ft.) above the ground in the open corresponding with winds of various strengths as judged by the effect on shipping at sea or on trees, &c., on land.

Beaufort Scale.		Calm. 0	Light Air 1	Slight Breeze. 2	Gentle Breeze 3	Modte. Breeze. 4	Fresh Breeze. 5	Strong Breeze. 6	High Wind. 7	Gale. 8	Strong Gale. 9	Whole Gale. 10	Storm. 11	Hurricane. 12
Mean wind speed at 33 feet.	mi/hr	Less than 1	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
	m/s	Less than 0·3	0·3 to 1·5	1·6 to 3·3	3·4 to 5·4	5·5 to 7·9	8·0 to 10·7	10·8 to 13·8	13·9 to 17·1	17·2 to 20·7	20·8 to 24·4	24·5 to 28·4	28·5 to 33.5	Above 33·5
W.W.R. groups ...		<——>		<——>		<——>		<——>		<——>				

The classification of the winds in Table V. of the Weekly Weather Report is such that for an anemometer well exposed at 33 ft., the groups correspond with Beaufort-forces 0 and 1, 2 and 3, 4 and 5, 6 and 7, 8 and above respectively. For all the anemometers the same limits of wind speed (in meters per second) are adopted, *viz.*, 0 to 1·5, 1·6 to 5·4, 5·5 to 10·7, 10·8 to 17·1, 17·2 and upwards.

The adjustment of the recording part of a Pressure Tube anemograph to give correct readings in the lower part of the scale is difficult so that in using the table of wind distribution less weight should be attached to the distinction made between the two lowest groups than to the other breaks in the series.



The highest hourly wind refers to an hour centring at an exact hour of G.M.T. The speed is expressed in metres per second. The direction is given in degrees measured from North through East. It is referred to true, that is geographical, as distinguished from Magnetic, North.

The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean speed.

The gusts are obtained by taking the highest excursion on the "ribbon." The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.

Times are Greenwich Mean Civil Time (Noon G.M.T. = 12h., 6 p.m. = 18h.). Summer-Time is not used. When an anemometer is on the top of a building the approximate height above the top of the building is shown in the appropriate column. For stations where the head of the anemometer is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to affect appreciably the recorded speed, the symbol ‡ signifying "standard mounting" is shown in this column.

Table VI. District-Values of Temperature, Rainfall, Sunshine—Duration and Pressure.

DISTRICT-VALUES.—Except in the case of "Accumulated Temperature" the District-Values are the means of the station-values for each district.

The stations used for the computation of district-values have not been the same during the whole history of the Report, but when a station lapses it is, if possible, replaced by another in the neighbourhood for which the averages of rainfall, temperature and sunshine are similar.

Since 1917 a list of the stations has been given in the Introduction to each annual volume of the Weekly Weather Report. Previously the stations were indicated by the use of appropriate type in the weekly tables.

The District-Values of Pressure are obtained from the observations at 7h. and 18h. published in the Daily Weather Report. No correction for diurnal range is applied.

ACCUMULATED TEMPERATURE.—The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or base-temperature. For Districts, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42°F., as being nearly equivalent to 6°C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10°F. above the freezing point on the Fahrenheit scale.

To compute the accumulated temperature accurately, it would be necessary to integrate the excess of temperature above the critical limit by utilising instantaneous values throughout the period. In practice it is necessary to make an approximation. Rules for this purpose were devised by the late Lieutenant-General Sir Richard Strachey, F.R.S., and set out in the Quarterly Weather Report, Appendix II, 1878.

There are four cases to be considered which are differentiated by the relation of the critical temperature 42°F. to the maximum, minimum and mean temperatures.

In each case the accumulated temperature is found from the District-Values of Maximum and Minimum Temperature and from the "Strachey-Mean."

The mean maximum temperature in Fahrenheit degrees being denoted by X, the mean minimum by N, and the "Strachey-Mean" (see above) by S, the rules may be summarised as follows* :—

Condition.	Daily Accumulated Temperature.	
	Above 42°F.	Below 42°F.
N not below 42	(S—42)	0
S above and N below 42	(S—42) + $\frac{2}{5}$ (42–N)	$\frac{2}{5}$ (42–N)
X above and S below 42	$\frac{2}{5}$ (X–42)	(42–S) + $\frac{2}{5}$ (X-42)
X not above 42.	0	(42-S)

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

NORMALS.—The normals of air temperature and of rainfall and sunshine for the individual stations in Table IV. are based upon the monthly normals for these stations for the years 1881-1915. [*See* "The Book of Normals," M.O. 236, Section 1.] The present normals have been in use since the first week of 1917. The normals for the period 1881–1905 were in use from 1908 to 1916.

The averages for Ground Temperature used in Table IV. were computed from the weekly values published in the Reports for the years 1907–1920. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 14 years were not available.

The normals used in Table VI. are derived from the weekly district values published in the Report but they have been adjusted in some cases where the selection of stations for the district differed materially from the selection now used. These normals are for the 35 years 1881-1915 and are printed in "The Book of Normals," Section III.

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LONDON, S.W.7.

* Readers concerned with the data for earlier years should consult the Introduction to the Weekly Weather Report, 1921, where a systematic error in the computations is discussed. Two of the formulae in use for computing accumulated temperature up to that year were defective and not in accordance with General Strachey's instructions.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was changeable and unsettled. There were bright intervals in most parts of the country. Thunderstorms occurred in places, notably at stations in the eastern parts of England. Snow and hail fell in many parts of the Kingdom especially in Scotland and the northern and eastern parts of England where, the newspapers report, train service was disorganized. The winds were mainly westerly or north-westerly in direction and reached the force of a gale at a number of stations. The mean temperature for the week was again above the normal, the largest excess being slightly above 3° F. in Ireland N. and Ireland S. The highest of the maximum temperatures were registered during the early part of the week when readings of 57° F. were recorded at a number of stations, and in London, Hawarden Bridge (Cheshire) and Killarney there were readings of 58° F. During the middle days of the week temperature in several places did not exceed 35° F. and in one or two instances it failed to rise above 32° F. Although minima below the freezing point were registered in most districts the nights generally were not cold for the time of year. The lowest readings of the screen minima were 20° F. at Porton (Salisbury Plain) and 22° F. at Cromer. Ground frosts were registered at nearly all stations and in places readings of 19° F. or 20° F. were obtained, generally on the morning of the 5th.

Precipitation (rain or snow) was above the normal in Scotland but in most other districts it was below; amongst the heaviest individual falls were 23mm. at Rhayader (Radnor), 18mm. at Buxton, 18mm. at Wick, 17mm. at Burnley, 17mm. at Strathpeffer and 16mm. at Ford (Argyll) on the 1st, and 19mm. at Lerwick (Shetlands) on the 3rd. The mean amount of bright sunshine for the week was above normal at several stations and daily amounts of about 6 hours were registered in many places; the largest records were 6·8 hours at Worthing, 6·5 hours at Brighton, 6·3 hours at South Farnborough, 6·2 hours at Wisley (Surrey) and 6·2 hours at Rothamsted on the 4th, and 6·6 hours at Folkestone on the 5th, The mean departure from the normal for the week ranged from +1·2 hours at Durham to —1·6 hours at Jersey. A faint display of aurora was seen at Dublin on the 3rd. Solar halos were observed at Seskin, Carrick-on-Suir on the 1st, at South Farnborough on the 5th and at Oxford on the 3rd, 4th and 5th. Lunar halos were witnessed at Richmond (Kew Observatory) on the 5th, at Greenwich on the 6th, at Ross-on-Wye and Dublin on the 7th, and at Oxford on the 5th and 7th. A Parhelion was also observed at Oxford on the 3rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	6	9	3·8	11	6	2·8	6	12	5·4	9	5	2·3	7	10	4·6	3	5	2·3	10	11	4·9	10	12	5·4
North	20	22	10·0	10	11	5·0	21	14	6·2	16	8	3·6	21	20	8·9	20	19	8·7	12	10	4·5	18	13	5·8
West	25	19	8·4	28	16	7·2	25	13	5·7	25	10	4·4	25	17	7·8	24	18	8·0	28	21	9·3	22	13	5·7
East	0	—	—	0	—	—	2	7	3·1	0	—	—	3	8	3·6	0	—	—	0	—	—	3	3	1·3
Calm (or wind speed <4 m.p h.)	1	—	—	0	—	—	0	—	—	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual
	Rainfall ..	Moderate	Moderate	Moderate	Heavy	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Light	Moderate
	Sunshine ..	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	—	Moderate	Scanty	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 6 weeks from Nov. 27th, 1921.	Warmth ..	3, 3, 0	3, 3, 0	5, 0, 1	5, 0, 1	5, 0, 1	3, 2, 1	5, 1, 0	5, 1, 0	4, 2, 0	6, 0, 0	6, 0, 0	5, 1, 0
	Rainfall ..	3, 2, 1	2, 1, 3	0, 3, 3	3, 1, 2	1, 3, 2	0, 4, 2	3, 1, 2	2, 2, 2	0, 4, 2	2, 2, 2	1, 2, 3	0, 3, 3
	Sunshine ..	1, 2, 3	2, 4, 0	3, 3, 0	2, 2, 2	2, 2, 2	1, 3, 2	—	2, 4, 0	0, 3, 3	1, 3, 2	0, 3, 3	0, 1, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	47	1st	28	4th	40·3	33·7	37·1	− 2·0	6	1·43	36	+14										
p Deerness, Orkney ..	165	50	1st	30	4, 5	43·3	34·4	39·0	0·0	7	0·91	23	+ 5	Deerness ..	0·2	− 0·5	3	—	—	—	—	—	—
a, Islands *t* Stornoway	51	51	1st	31	4th	42·7	36·6	39·8	+0·6	7	1·48	38	+11	Stornoway ..	0·4	− 0·4	5	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	53	1st	32	4th	45·6	39·7	42·8	—	7	0·60	15	—	Castlebay ..	0.6	—	8	—	—	—	—	—	—
t Wick	81	51	1st	30	3, 4	40·9	33·7	37·4	− 0·6	7	1·56	40	+27										
a Strathpeffer	125	52	1st	30	4, 5	41·4	33·9	37·8	+0·8	6	1·63	41	+25										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	55	1st	30	2, 4, 5	40·0	33·5	36·9	− 0·7	7	1·10	28	+ 1										
p Fort William	171	54	1st	30	4, 5	44·4	34·7	39·7	+0·9	7	1·57	40	− 7										
1. SCOTLAND, E.																							
t Nairn	82	52	1st	30	3rd	39·4	34·7	37·1	+0·1	6	0·50	13	+ 1	Nairn ..	0·3	—	4	—	—	—	—	—	—
p Gordon Castle	101	54	1st	30	4th	43·1	33·6	38·5	+0·6	7	1·29	33	+20	Gordon Castle	0·0	—	0	—	—	—	—	—	—
t Aberdeen	46	57	1st	31	4th	40·3	35·4	38·0	+0·3	7	0·85	22	+ 7	Aberdeen ..	1·0	− 0·2	14	3	25	—	—	42·1	+1·4
a Balmoral	930	52	1st	26	4, 5	36·7	29·9	33·4	− 0·7	7	0·83	21	+ 5	Balmoral ..	—	—	—	4	25	—	—	—	—
p Crieff	432	55	1st	29	4th	42·0	32·4	37·4	+0·6	6	0·61	15	− 9	Crathes ..	1·1	− 0·1	16	3	25	37·5	—	41·6	—
a Dundee	244	56	1st	29	3, 4	41·1	32·7	37·1	+0·3	4	0·53	13	0	Dundee ..	2·4	—	35	4	26	36·4	—	—	—
														Inchkeith (F. of Forth)	—	—	—	2	29	—	—	—	—
t Inchkeith (F. of Forth)	190	53	1st	33	4, 5	42·7	38·4	40·6	—	3	1·21	5	—										
p Edinburgh	441	53	1st	30	4th	44·3	34·6	39·6	+1·7	3	0·34	9	− 2	Edinburgh ..	2·2	+0·9	31	3	26	—	—	—	—
a West Linton	769	51	1st	26	5th	41·0	31·3	36·3	+2·3	4	0·63	16	—	West Linton	—	—	—	4	21	—	—	—	—
a Marchmont	498	54	1st	28	3rd	41·9	34·7	38·4	+2·1	3	0·41	10	− 4	Marchmont ..	1·0	+1·0	28	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	52	1st	27	5th	44·6	35·4	40·2	—	6	1·80	46	—	Ford (Argyll)	—	—	—	1	27	41·0	—	44·6	—
t Renfrew	49	53	1st	31	4, 5	43·7	37·4	40·7	—	5	0·98	25	—	Renfrew ..	1·8	—	25	2	24	—	—	—	—
b Rothesay	200	52	1st	31	4, 5	45·3	36·6	41·1	+1·8	6	1·50	38	+10	Rothesay ..	1·9	—	27	3	26	40·3	—	44·0	+1·1
a Kilmarnock	90	53	1st	28	5th	44·6	35·1	40·0	+2·5	4	0·91	23	+ 1	Kilmarnock ..	1·8	—	25	—	—	40·3	—	45·0	—
a Colmonell	170	53	1st	35	4, 5	46·7	39·1	43·1	+4·1	6	1·04	26	− 2	Colmonell ..	—	—	—	0	32	—	—	—	—
p Dumfries	160	54	1, 2	30	4, 5	43·7	34·1	39·1	+1·4	4	0·62	16	− 3	Dumfries ..	2·0	—	27	3	21	40·0	+1·3	43·9	+2·4
t Eskdalemuir	794	54	1st	27	5th	40·9	34·0	37·6	—	6	0·86	22	—	Eskdalemuir	1·9	—	27	3	24	—	—	—	—
b, I. OF MAN *h* Douglas	284	54	1st	34	3, 5	45·9	38·4	42·3	+1·6	6	1·56	40	+17	Douglas ..	2·1	+0·8	28	1	30	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	52	1st	32	4th	42·7	35·1	39·1	+1·4	4	0·26	7	− 10	Cockle Park ..	2·1	+0·8	28	4	26	38·3	+1·2	42·6	+2·2
t Tynemouth	118	55	1st	33	3, 4, 5	43·1	37·4	40·4	+2·0	4	0·34	9	− 4											
p Durham	336	55	2nd	30	3, 4, 5	42·9	32·3	37·8	+0·9	3	0·28	7	− 5	Durham ..	2·3	+1·2	32	3	24	—	—	—	—
a North .. *p* Rounton	249	54	2nd	30	4, 5	47·3	33·4	40·6	+3·7	3	0·31	8	− 5	Rounton ..	—	—	—	6	23	38·9	—	—	—
a West Witton	605	52	1st	28	4th	42·6	34·7	38·8	—	3	0·54	14	—	West Witton	—	—	—	5	24	38·5	—	43·2	—
h Scarborough	118	57	1st	32	4th	45·3	37·6	41·6	+3·1	6	0·94	24	+ 9	Scarborough †	1·4	+0·4	19	—	—	—	—	43·7	—
p York	56	55	1, 2	32	4, 5	43·9	35·6	39·9	+2·1	2	0·28	7	− 6	York ..	?1·1	+0·4	15	—	—	41·0	+1·4	44·9	+1·9
t Spurn Head	26	53	1, 2	31	4th	45·0	36·4	40·9	+2·4	3	0·17	4	− 7	Spurn Head ..	1·4	—	18	—	—	—	—	—	—
b, South .. *a* Lincoln	58	56	1st	32	4, 5	44·7	36·6	40·8	+3·7	3	0·25	6	− 7	Lincoln ..	—	—	—	3	29	39·0	+0·7	44·9	+2·3
t Crauwell	237	56	2nd	31	4, 5, 6	43·1	35·6	39·5	+2·4	4	0·16	4	− 9	Cranwell ..	2·0	+0·9	26	4	28	—	—	—	—
														Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	56	2nd	22	4, 5	46·9	32·1	39·8	+1·8	6	0·56	14	+ 3	Cromer ..	1·3	− 0·2	17	—	—	—	—	—	—
a Little Massingham ..	277	54	1, 2	29	4, 5	42·0	34·0	38·2	+1·9	4	0·54	14	− 2	Lit Massingham	1·4	+0·1	18	—	—	—	—	—	—
t Yarmouth	13	57	2nd	31	7th	43·7	37·0	40·5	+2·7	5	1·20	30	+17	Yarmouth ..	1·5	—	20	1	30	41·6	+1·3	45·6	+1·0
a Norwich	93	56	1, 2	30	4th	43·7	35·0	39·5	+2·1	5	1·80	46	+31	Norwich ..	1·3	—	16	5	27	38·5	—	—	—
a Geldeston	37	57	1, 2	28	5th	45·0	32·7	39·1	+1·1	5	0·98	25	+12	Geldeston ..	1·6	+0·1	20	—	—	—	—	—	—
p Cambridge	41	57	2nd	32	4, 7	46·1	34·3	40·4	+2·8	2	0·30	8	− 3	Cambridge ..	1·8	+0·4	23	4	27	40·5	+0·6	46·3	+2·3
t Clacton-on-Sea ..	54	57	2nd	30	4, 5, 6	42·7	35·7	39·3	+1·3	5	0·41	10	0	Clacton-on-Sea	1·8	+0·3	24	3	27	40·5	− 0·6	46·7	+1·4
a Rothamsted	420	56	2nd	29	5th	43·6	34·4	39·2	+1·9	3	0·32	8	− 7	Rothamsted	2·0	+0·6	25	5	22	39·8	—	—	—
p Tottenham	51	57	2nd	32	4, 5	45·1	35·9	40·7	—	3	0·28	7	—	Tottenham ..	1·4	—	18	—	—	—	—	46·8	+1·5
														Southend ..	1·8	—	23	3	28	40·6	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	52	1st	29	4th	41·4	35·1	38·4	+1·8	3	0·52	13	− 4	Harrogate ..	2·1	+0·8	28	4	27	39·9	+0·6	43·0	+1·8
a North .. *p* Sheffield	429	54	1, 2	32	4, 5	43·6	35·7	39·8	—	3	0·85	22	—	Sheffield ..	1·9	+0·8	25	2	28	39·3	+0·3	43·9	+0·9
p Buxton	987	52	1, 2	27	5th	40·4	32·4	36·6	− 1·7	5	1·63	42	+10	Buxton ..	0·9	—	12	4	24	38·6	− 0·1	43·5	+0·3
a Worksop	56	56	1st	30	4th	44·6	36·0	40·5	+3·1	3	0·36	9	− 4	Worksop ..	1·5	+0·5	20	5	22	39·5	—	44·0	—
t Nottingham	82	55	2hd	33	4, 5	44·1	37·7	41·0	+3·4	4	0·47	12	− 1	Nottingham ..	0·5	− 0·4	7	4	25	38·9	+0·5	42·5	+1·2
b, East .. *p* Birmingham, Edgbsn.	525	55	2nd	29	5th	43·0	34·1	38·7	+1·0	6	0·80	20	+ 5	Birmingham	0·5	− 0·5	6	3	25	41·1	+0·2	47·0	+1·8
a Raunds	213	56	1, 2	30	4th	46·6	35·1	41·1	+4·5	3	0·31	8	− 4	Raunds ..	2·0	—	26	4	26	40·8	—	—	—
p Oxford	208	57	2nd	31	4, 5	44·6	35·4	40·2	+1·8	4	0·17	4	− 9	Oxford ..	1·7	+0·3	22	2	27	—	—	—	—
														Malvern.. ..	1·1	—	14	4	27	40·8	—	45·5	—
a Cheadle (N. Staffs.) ..	646	52	1st	26	5th	43·4	34·1	38·9	+2·5	5	0·82	21	+ 3	Cheadle	—	—	—	4	19	—	—	—	—
e, West .. *p* Tenbury	313	56	2nd	29	4, 5	45·0	34·4	39·9	+1·2	6	0·56	14	+ 2	Tenbury ..	—	—	—	5	23	41·2	—	—	—
a Hereford	291	55	1, 2	30	5th	46·9	36·6	42·0	+4·0	5	0·24	6	− 9	Ross on Wye	1·4	—	18	3	21	40·3	—	45·9	—
a Clifton	225	54	1st	31	4, 5	46·0	36·7	41·5	+1·8	5	0·28	7	− 14	Clifton ..	0·8	—	10	4	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	55	2nd	28	5th	45·6	34·0	40·0	+2·3	7	0·39	10	− 6	Worthing ..	2·0	+0·2	25	3	28	41·6	0·0	47·7	+1·8
a Porton	340	56	2nd	20	5th	45·6	30·4	38·3	—	3	0·23	6	—	Marlborough	0·8	− 0·4	11	5	20	42·1	—	47·6	—
a Wisley, Surrey ..	150	55	2nd	32	5th	43·6	36·3	41·1	+2·5	3	0·31	8	− 3	Porton.. ..	—	—	—	—	—	40·6	—	—	—
h Tunbridge Wells ..	354	57	2nd	29	6th	43·7	35·0	39·5	+1·2	2	0·18	5	− 11	Wisley, Surrey	1·8	+0·3	22	5	23	40·8	0·0	46·2	+1·8
h Margate..	51	56	2nd	28	4th	43·6	35·1	39·5	− 0·2	4	0·28	7	− 3	Tunbridge Wells	0·2	− 1·3	2	5	19	41·7	—	46·6	—
														Margate ..	0·3	− 1·2	3	4	25	41·7	− 0·4	46·9	+1·8
t Dungeness	21	55	2nd	29	6th	44·4	36·0	40·4	+0·5	3	0·10	3	− 9	Folkestone ..	2·2	—	28	4	25	—	—	48·7	—
h St. Leonards	178	56	2nd	33	6th	44·0	36·4	40·4	+0·3	4	0·41	10	− 4	St. Leonards..	1·9	+0·1	24	5	25	40·6	—	47·1	—
p Southampton	64	57	2nd	30	5th	46·0	35·7	41·1	+0·7	4	0·20	5	− 12	Southampton	1·0	− 0·5	13	4	23	—	—	—	—
a Ventnor..	59	54	2nd	31	5th	46·4	37·4	42·1	− 0·1	4	0·30	8	− 8	Ventnor ..	1·1	− 0·6	14	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	57	2nd	33	6th	44·4	37·6	41·1	+2·0	2	0·17	4	− 7	Richmond	1·9	+0·7	24	3	26	40·5	+0·1	46·9	+2·1
a Westminster	27	58	2nd	31	6th	46·3	36·7	41·7	+1·7	3	0·20	5	− 5	Westminster	0·4	− 0·1	5	4	25	—	—	—	—
ag Greenwich	149	57	2nd	32	4, 5	45·4	36·6	41·2	+2·4	3	0·18	5	− 5	Greenwich ..	0·8	− 0·3	10	5	25	—	—	—	—
a Hampstead	450	55	2nd	29	4, 6	43·7	33·0	38·6	—	3	0·23	6	—	Hampstead ..	1·9	—	24	6	20	—	—	—	—
ag Camden Square ..	110	57	2nd	30	6th	45·6	35·4	40·7	+1·6	3	0·21	5	− 6	Camden Square	—	—	—	4	26	41·2	—	46·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	51	2nd	27	4, 5	42·1	31·4	37·0	− 1·0	4	0·67	17	− 4	Aspatria	1·6	+0·5	22	4	19	40·7	+0·7	45·2	+1·7
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	1st	31	5th	43·9	35·7	40·0	+2·1	4	1·13	29	+ 3	Stonyhurst ..	1·3	+0·5	17	1	27	—	—	—	—
h Blackpool	66	52	1, 2	34	5th	44·7	39·4	42·2	+3·3	5	0·72	18	+ 1	Blackpool ..	1·3	+0·2	17	2	28	43·3	—	47·0	—
h Southport	37	51	1, 2	33	5th	43·6	39·3	41·5	+2·6	5	0·78	20	+ 4	Southport ..	1·0	− 0·1	13	1	27	39·8	+1·4	44·0	+2·4
														Hoylake ..	0·6	− 0·7	8	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	55	1st	34	5th	47·0	38·4	42·9	+3·3	6	0·84	21	+ 7	Liverpool	0·5	—	7	2	28	—	—	—	—
a Hawarden Bridge ..	22	58	1st	35	5th	48·4	39·9	44·3	+4·1	6	1·20	30	+18	Manchester City	0·8	+0·5	10	2	29	40·5	+1·2	45·7	+2·0
p Manchester (Whit. Pk.)	125	55	2nd	30	5th	44·3	35·9	40·3	+1·1	5	0·68	17	+ 1	„ Whit. Pk.	0·5	+0·1	6	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	54	1st	34	4th	46·4	41·6	44·1	+2·5	6	0·97	25	+ 9	Llandudno ..	0·4	− 0·9	5	—	—	—	—	—	—
t Holyhead	15	54	1, 2	35	4th	47·6	43·0	45·4	+3·3	5	0·71	18	− 2	Holyhead ..	0·6	—	7	0	33	—	—	—	—
a Aberdovey	60	52	1, 2	35	5th	48·0	41·0	44·6	—	7	1·20	30	—	Aberdovey ..	0·7	− 0·6	9	2	26	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	51	2nd	33	5th	46·3	40·6	43·6	—	7	0·71	18	—	Aberystwyth	0·7	- 0·7	9	—	—	—	—	—	—
a Rhayader	757	52	1st	30	4, 5	45·4	36·4	41·1	—	6	1·87	48	—	Rhayader ..	1·1	—	15	3	20	—	—	—	—
t Pembroke	149	53	1, 2	35	5th	47·4	43·3	45·4	+2·3	6	0·28	7	- 15	Pembroke ..	0·5	- 0·9	7	—	—	—	—	—	—
p Cardiff	202	54	2nd	31	5th	46·1	36·9	41·7	+2·4	5	0·49	12	- 12	Cardiff ..	1·8	—	23	2	22	42·4	+1·2	47·1	+2·2
b. ENGLAND, S.W.																							
h Bath	66	56	2nd	29	5th	45·7	38·0	42·0	+2·4	5	0·41	10	- 6	Bath	1·2	- 0·2	15	—	—	43·2	—	47·6	—
a Shaftesbury	722	54	2nd	26	5th	44·0	33·6	39·0	+1·0	5	0·47	12	- 5	Shaftesbury ..	—	—	—	—	—	41·2	—	46·7	—
a Arlington	613	51	1, 2, 7	31	4, 5	46·1	37·5	42·0	+2·4	6	0·97	25	- 6										
h Newquay	190	54	2nd	37	5th	48·1	44·1	46·2	+2·3	7	0·85	22	+ 2	Newquay ..	0·5	- 1·2	6	—	—	47·4	—	50·9	—
a Cullompton	202	56	2nd	31	5th	49·0	39·0	44·2	+4·2	5	0·35	9	- 12	Cullompton ..	1·2	- 0·2	15	4	21	44·8	—	—	—
t Portland Bill	19	56	2nd	34	5, 6	47·7	40·6	44·3	+1·4	3	0·19	5	- 9	Weymouth ..	1·5	—	19	—	—	—	—	—	—
p Plymouth	116	55	2nd	31	5th	48·7	39·9	44·5	+1·8	5	0·42	11	- 11	Plymouth ..	1·0	- 0·6	13	2	22	44·7	+1·2	49·9	—
t Falmouth	167	54	2nd	36	5th	48·7	42·1	45·5	+1·7	7	0·72	18	- 11	Falmouth ..	1·0	- 0·8	12	0	32	45·7	—	50·4	—
9. IRELAND, N.																							
a, West .. *t* Malin Head	208	53	1st	37	3, 4	47·6	41·7	44·8	+3·8	7	0·99	25	+ 8	Malin Head ..	0·5	—	7	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	55	1st	37	4, 5	48·7	41·6	45·3	—	7	1·28	33	—	Mallarany ..	0·9	—	12	0	31	—	—	—	—
p Markree Castle.. ..	122	56	1, 2	35	4th	49·1	38·7	44·1	+4·6	7	1·24	31	+ 7	Markree Castle	0·9	- 0·3	12	1	30	44·8	+3·0	48·1	+2·9
b, East .. *p* Armagh	204	55	1, 2	32	4th	46·7	38·0	42·5	+3·2	6	0·72	18	+ 2	Armagh ..	1·3	0·0	18	1	27	43·8	+2·9	46·8	+2·6
t Donaghadee	35	55	1st	35	4th	47·1	40·7	44·0	+3·5	7	1·05	27	+11										
														Trinity Coll.	—	—	—	—	—	43·4	+1·5	47·1	+2·2
														Phœnix Park	1·2	- 0·5	15	1	28	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	55	1, 2	34	4th	47·1	39·4	43·4	+1·6	5	0·24	6	- 8	Dublin City ..	—	—	—	0	31	—	—	—	—
t Birr Castle	175	54	1, 2	32	4th	47·0	40·7	44·0	+4·1	5	0·53	13	- 5	Birr Castle ..	0·7	- 0·7	10	1	28	—	—	—	—
a Kilkenny	195	55	1st	33	4th	48·1	39·0	43·7	+3·7	3	0·32	8	- 12										
a Waterford	137	57	1st	33	4th	49·1	39·7	44·6	+2·7	4	0·20	5	- 19										
p Seskin, Carrick-on-Suir	542	54	1, 2	32	4th	46·3	38·1	42·4	—	6	0·35	9	—	Seskin ..	0·9	—	11	1	30	—	—	—	—
a Foynes	50	54	1st	37	4th	49·9	42·1	46·2	+4·2	6	0·69	17	- 8										
t Cahirciveen (Val. Obs.)	30	54	1st	42	5th	49·6	46·6	48·2	+3·7	6	0·37	9	- 27	Cahirciveen ..	0·7	- 0·7	9	0	38	—	—	—	—
a Killarney	174	58	1st	36	5th	49·4	41·9	45·8	+3·0	7	0·56	14	- 25	Ballinacurra	1·2	- 0·4	15	—	—	—	—	—	—
t Roche's Point	32	56	2nd	38	4th	49·0	43·9	46·6	+2·9	3	0·07	2	- 26										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	1, 2	31	5th	50·0	43·7	47·0	+0·9	6	0·35	9	- 11	Scilly ..	1·1	- 0·7	14	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	2nd	37	5th	48·4	43·0	45·8	+2·4	7	0·80	20	0	St. Heliers ..	0·4	- 1·6	5	—	—	—	—	—	—
p Guernsey† ..	173	55	2nd	36	4, 5	50·0	42·6	46·5	+2·7	7	0·68	17	- 4	Guernsey ..	0·6	- 1·2	7	1	29	45·7	+0·6	50·3	+2·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, January 7th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 39 m.p.h. Dates of Occurrence.	More than 39 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s	day. hour.	m.p.h	m/s.	d h. m.
0. SCOTLAND, N.																
**Deerness (Cup Anr.) ..	188	16	5	2, 3, 4,	31	31 to 5	70	34	28	5	0	330	53	24	4 9	—	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	29	108	28	3	310	18	8	2 16	48	21	2 13 30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	1 to 4	12	91	43	22	0	320	31	14	2 16	—	—	— — —
Edinburgh	485	39	31	1	7	1 to 4	37	99	25	0	0	260	42	19	1 7	71	32	1 6 30
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	1, 2	4	1 to 5	69	38	18	39	0	240	42	19	1 3	67	30	1 12 55
Paisley	188	81	15	—	0	1, 2	17	77	67	7	0	280	28	13	2 2	66	29	1 4 10
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	1, 3, 4	16	87	48	17	0	?320	28	12	4 14	55	25	4 12 50
South Shields	72	61	12	—	0	1 to 4	51	66	41	10	0	290	37	17	1 22	57	26	1 13 50
Spurn Head	67	41	‡	1 to 4	16	1 to 5	98	34	15	5	0	270	42	19	2 5	59	26	2 8 15
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	1 to 5, 7	36	107	25	0	0	340	31	14	4 4	56	25	4 6 55
Shoeburyness	103	90	‡	—	0	2, 4, 5, 7	16	122	20	10	0	330	28	13	4 9	46	21	{4 11 50 {5 0 55
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	2, 4	5	72	53	35	3	340	27	12	4 13	43	19	4 12 10
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	101	65	2	0	—	24	11	2 14	43	19	4 11 10
Larkhill, S'y Plain ..	513	63	43	2	5	1 to 5	35	80	34	9	5	270	41	18	2 7	55	25	2 6 35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	78	71	19	0	270	22	10	2 7	45	20	2 6 25
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	3	1	1 to 5	91	28	41	7	0	320	39	17	3 1	—	—	— — —
Southport	80	62	48	1, 2, 4	24	1 to 5	74	23	41	6	0	260	44	20	2 7	65	29	2 17 30
Holyhead	60	40	‡	3, 4	11	1 to 5	84	65	8	0	0	290	41	18	3 7	63	28	4 5 5
8. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	2	2	1 to 4	64	72	28	2	0	270	40	18	2 9	65	29	3 23 10
Plymouth	185	88	2	—	0	2 to 3	5	74	79	10	0	—	26	12	3 23	47	21	3 23 5
Lyme Regis	556	61	‡	—	0	4	1	57	70	3	37	—	25	11	4 23	35	16	4 22 40
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	1, 2	6	1 to 4, 6	69	74	19	0	0	240	42	19	1 22	—	—	— — —
Quilty	100	40	‡	—	0	1 to 4, 7	57	86	25	0	0	—	33	15	1 10	52	23	3 15 40
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	1 to 4, 7	32	91	45	0	0	240	29	13	2 1	49	22	2 2 30
Weaver Pt.	160	80	‡	—	0	4, 7	3	84	74	0	7	—	26	12	7 24	40	18	7 23 40
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	2, 3	7	1 to 5	86	55	20	0	0	270	43	19	2 10	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIRST WEEK of 1922—January 1st to January 7th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	55	28	41·6	34·4	38·1	0·0	0	− 6	27	− 8	7	+2	1·46	37	+ 8	0·3	− 0·4	4	1005
Eastern.																			
1. SCOTLAND, EAST ..	57	26	40·9	33·8	37·5	+0·6	0	− 6	32	− 10	5	+1	0·67	17	+ 1	1·5	+0·5	22	1008
2. ENGLAND, N.E. ..	57	30	44·2	35·6	40·1	+2·1	6	− 1	19	− 16	4	0	0·33	8	− 5	1·8	+0·7	24	1010
3. ENGLAND, EAST ..	57	22	44·3	34·6	39·6	+1·8	6	− 3	23	− 16	4	0	0·71	18	+ 5	1·6	+0·2	21	1011
4. MIDLAND COUNTIES	57	26	44·6	35·5	40·2	+2·5	7	− 2	20	− 20	4	0	0·45	11	− 4	1·3	+0·1	17	1013
5. ENGLAND, S.E. ..	57	20	44·9	35·4	40.4	+0·8	8	− 5	19	− 10	4	0	0·26	7	− 7	1·3	− 0·2	16	1013
Western.																			
6. SCOTLAND, WEST ..	54	27	44·9	36·6	40·9	+1·7	8	− 1	16	− 13	5	0	1·20	30	+ 2	—	—	—	1011
7. ENGLAND, N.W. ..	58	27	45·5	38·2	42·0	+2·6	11	+ 1	11	− 17	5	+1	0·87	22	+ 3	1·0	− 0·1	13	1014
8. ENGLAND, S.W. ..	56	26	46·9	38·7	43·0	+1·7	16	− 1	9	− 13	5	0	0·62	16	− 7	0·9	− 0.6	11	1018
9. IRELAND, NORTH ..	56	32	47·5	40·0	43·9	+3·5	19	+ 6	6	− 19	6	+1	0·91	23	+ 2	1·1	− 0·2	15	1015
10. IRELAND, SOUTH ..	58	32	48·7	41·7	45 3	+3·2	24	+ 4	1	− 18	5	0	0·37	9	− 16	0·9	− 0·6	12	1021
11. ENGLISH CHANNEL..	55	31	49·5	43·1	46·4	+1·7	31	+ 4	0	− 9	7	+2	0·61	15	− 5	0·7	− 1·2	9	1020
MEAN: DISTRICTS 1-10	58	20	45·2	37·0	41·3	+2·0	11	− 1	16	− 15	5	0	0·64	16	− 3	1·3	0·0	17	1013

THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, November 27th to January 7th, 1922.

0. SCOTLAND, NORTH ..	56	18	45·3	36·3	41·0	+ 2·0	66	+13	108	− 69	35	+3	11·07	281	+73	0.5	− 0·2	7	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	11	45·3	35·8	40·7	+ 2·8	68	+19	123	− 98	29	+4	3·95	100	− 4	1·4	+ 0·3	20	1009
2. ENGLAND, N.E. ..	58	22	47·4	37·6	42·7	+ 3·1	108	+48	80	− 92	23	− 1	2·02	51	− 29	1·6	+ 0·4	22	1014
3. ENGLAND, EAST ..	59	19	46·8	36·5	41·8	+ 2·2	99	+28	107	− 76	22	− 3	2·34	59	− 21	1·5	+ 0·1	19	1016
4. MIDLAND COUNTIES	59	20	47·4	37·1	42·4	+ 3·2	107	+34	91	−106	24	− 1	2·71	69	− 25	1·2	0·0	16	1017
5. ENGLAND, S.E. ..	59	20	47·6	38·3	43·2	+ 1·8	119	+15	70	− 63	23	− 1	2·28	57	− 47	1·3	− 0·2	16	1018
Western.																			
6. SCOTLAND, WEST ..	55	21	47·9	38·4	43·3	+ 2·8	119	+43	61	− 78	33	+4	8·62	219	+32	—	—	—	1012
7. ENGLAND, N.W. ..	58	26	48·3	39·8	44·2	+ 3·4	131	+49	39	− 95	31	+4	5·26	134	+ 6	1·2	+ 0·1	16	1015
8. ENGLAND, S.W. ..	57	25	49·4	40·6	45·2	+ 2 6	160	+35	28	− 68	30	+1	3·71	94	− 71	1·1	− 0·4	14	1018
9. IRELAND, NORTH ..	56	28	49·7	41·6	45·8	+ 4·4	179	+88	22	−100	35	+4	5·12	130	− 6	1·0	− 0·2	13	1013
10. IRELAND, SOUTH ..	59	28	51·5	43·1	47·5	+ 4·5	234	+96	4	− 90	30	0	4·03	102	− 55	1·1	− 0 4	15	1018
11. ENGLISH CHANNEL..	58	31	51·8	45·9	49·0	+ 2·8	292	+90	0	− 28	32	+1	3·25	82	− 62	1·0	− 0·8	12	1020
MEAN: DISTRICTS 1-10..	59	11	48·1	38·9	43·7	+ 3·2	131	+46	63	− 87	28	+1	4·00	101	− 22	1·3	0·0	17	1015

THE YEAR. Aggregates, &c., for the Period of 1 Week, January 1st to January 7th, 1922.

0. SCOTLAND, NORTH ..	55	28	41·6	34·4	38·1	0·0	0	− 6	27	− 8	7	+2	1·46	37	+ 8	0·3	− 0·4	4	1005
Eastern.																			
1. SCOTLAND, EAST ..	57	26	40·9	33·8	37·5	+ 0·6	0	− 6	32	− 10	5	+1	0·67	17	+ 1	1·5	+ 0·5	22	1008
2. ENGLAND, N.E. ..	57	30	44·2	35·6	40·1	+ 2·1	6	− 1	19	− 16	4	0	0·33	8	− 5	1·8	+ 0·7	24	1010
3. ENGLAND, EAST ..	57	22	44·3	34·6	39·6	+ 1·8	6	− 3	23	− 16	4	0	0·71	18	+ 5	1·6	+ 0·2	21	1011
4. MIDLAND COUNTIES	57	26	44·6	35·5	40·2	+ 2·5	7	− 2	20	− 20	4	0	0·45	11	− 4	1·3	+ 0·1	17	1013
5. ENGLAND, S.E. ..	57	20	44·9	35·4	40·4	+ 0·8	8	− 5	19	− 10	4	0	0·26	7	− 7	1·3	− 0·2	16	1013
Western.																			
6. SCOTLAND, WEST ..	54	27	44·9	36·6	40·9	+ 1·7	8	− 1	16	− 13	5	0	1·20	30	+ 2	—	—	—	1011
7. ENGLAND, N.W. ..	58	27	45·5	38·2	42·0	+ 2·6	11	+ 1	11	− 17	5	+1	0·87	22	+ 3	1·0	− 0·1	13	1014
8. ENGLAND, S.W. ..	56	26	46·9	38·7	43·0	+ 1·7	16	− 1	9	− 13	5	0	0·62	16	− 7	0·9	− 0·6	11	1018
9. IRELAND, NORTH ..	56	32	47·5	40·0	43·9	+ 3·5	19	+ 6	6	− 19	6	+1	0·91	23	+ 2	1·1	− 0·2	15	1015
10. IRELAND, SOUTH ..	58	32	48·7	41·7	45·3	+ 3·2	24	+ 4	1	− 18	5	0	0·37	9	− 16	0·9	− 0·6	12	1021
11. ENGLISH CHANNEL..	55	31	49·5	43·1	46·4	+ 1·7	31	+ 4	0	− 9	7	+2	0·61	15	− 5	0·7	− 1·2	9	1020
MEAN: DISTRICTS 1-10 ..	58	20	45·2	37·0	41·3	+ 2·0	11	− 1	16	− 15	5	0	0·64	16	− 3	1·3	0·0	17	1013
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
13th January, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 2.

SECOND WEEK.

SUNDAY, JANUARY 8TH, TO SATURDAY, JANUARY 14TH, 1922.

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METEOROLOGICAL OFFICE 5 23 JAN 1922 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was again changeable and unsettled. Snow fell in most parts of the British Isles, and hail was reported at several stations. Thunderstorms occurred at Wick (Caithness) and Markree Castle (Sligo) on the 10th and also at Yarmouth on the 12th. The winds were mainly fresh or strong and reached gale force in places. There were line squalls on the 9th and 11th. The mean temperature was above the normal in all districts with the exception of Scotland N. and Scotland E. The highest temperature of the week occurred almost invariably on the 9th when the maxima rose above 55°F. at a large number of stations, the actual highest being 60°F. at Killarney. After that date there was a gradual fall in temperature, and during the last two days of the week the temperature at several stations did not rise beyond a degree or two above the freezing point, while at Balmoral, Crieff (Perth) and Durham the readings were slightly below. Screen minimum temperatures of below 25°F. occurred in many places, the actual lowest 13°F. at Rhayader (Radnor), 15°F. at Balmoral, and 17°F. at Porton (Salisbury Plain) being registered on the morning of the 13th, while at a few stations on the same date the thermometer on the grass recorded readings below 15°F. Fog or mist was reported in several places. Precipitation (rain or snow) varied a good deal; amongst the heaviest measurements were 20mm. at Mallarany on the 8th, 24mm. at Eskdalemuir and 17mm. at West Linton (Peebles) on the 9th, 20mm. at Cahirciveen (Valencia Observatory) and 16mm. at Killarney on the 12th, 17mm. at Douglas (Isle of Man) on the 13th and 28mm. at Mallarany, 19mm. at Foynes and 17mm. at Markree Castle on the 14th. The sunniest day of the week was the 12th when amounts between 6 and 8 hours were recorded at a large number of stations in different parts of the country. The largest records obtained were 7·8 hours at Falmouth and Scilly, 7·6 hours at Plymouth (Cattewater), 7·5 hours at Aberdovey, 7·4 hours at Newquay, 7·3 hours at Aberystwyth and 7·2 hours at Pembroke, Torquay and Guernsey. The mean departure from the normal for the week ranged from +1·3 hours at Durham to —1·0 hour at Jersey. Aurora was observed at Lerwick, Aberdeen, Gordon Castle, Crieff and Dundee on the 8th and at Stornoway on the 9th.

Solar halos were witnessed at Armagh on the 8th, Hodsock Priory (Worksop) on the 13th, at Ross-on-Wye on the 8th and 13th, at Oxford on the 8th, 10th, 11th and 13th, and at Greenwich on the 14th. A Parhelion was also observed at Oxford on the 8th and 13th.

Lunar halos were seen at a large number of stations on various dates during the week.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	14	15	6·7	20	8	3·7	7	5	2·4	13	5	2·4	12	12	5·2	11	12	5 2	19	10	4·3	14	10	4·4
North	11	9	4·1	3	5	2·4	16	8	3·6	6	7	3·0	9	13	5·9	13	12	5·2	8	4	1·7	13	9	4·1
West	20	15	6·8	20	15	6·6	22	10	4·5	18	8	3·7	17	18	8·0	19	17	7·6	26	16	7·0	21·	10	4·5
East	6	6	2·8	0	—	—	2	7	3·3	1	4	1·9	9	15	2·2	7	16	2·8	0	—	—	6	8	3·4
Calm (or wind-speed < 4 m.p.h.)	2	—	—	3	—	—	1	—	—	7	—	—	0	—	—	0	—	—	0	—	—	1	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
Rainfall ..	Moderate	Heavy	Light	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate
Sunshine ..	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	—	Very Abundant	Moderate	Abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 7 weeks from Nov. 27th, 1921.	Warmth ..	3, 4, 0	3, 4, 0	5, 1, 1	6, 0, 1	5, 1, 1	3, 3, 1	5, 2, 0	5, 2, 0	4, 3, 0	6, 1, 0	6, 1, 0	6, 1, 0
	Rainfall ..	3, 3, 1	3, 1, 3	0, 3, 4	3, 2, 2	1, 4, 2	0, 5, 2	4, 1, 2	2, 3, 2	0, 5, 2	3, 2, 2	1, 3, 3	0, 4, 3
	Sunshine ..	1, 3, 3	3, 4, 0	4, 3, 0	2, 3, 2	3, 2, 2	2, 3, 2	—	3, 4, 0	0, 4, 3	2, 3, 2	0, 4, 3	0, 1, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
	t Lerwick	54	46	9th	34	11, 13	42·4	35·4	39·0	+0·5	6	0·65	17	− 5									
	p Deerness, Orkney ..	165	47	10th	36	9,10,14	43·4	36·9	40·3	+1·9	6	0·64	16	− 2	Deerness ..	0·2	− 0·7	4	—	—	—	—	—	—
a, Islands	*t* Stornoway	51	48	9th	29	12th	42·3	35·6	39·1	+0·4	5	1·69	43	+16	Stornoway ..	0·7	− 0·1	11	—	—	—	—	—	—
	t Castlebay, Barra I. ..	37	52	9th	38	12, 14	44·9	40·6	42·8	—	7	0·68	17	—	Castlebay ..	0·8	—	11	—	—	—	—	—	—
	t Wick	81	45	9th	32	9th	40·6	34·6	37·7	+0·3	5	0·82	21	+ 8										
	a Strathpeffer	125	49	9th	23	13, 14	39·3	30·6	35·1	− 1·5	5	0·87	22	+ 6										
b, Main-	*p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land.	*a* Fort Augustus	68	50	9th	23	13th	41·3	30·6	36·2	− 0·9	5	0·97	25	− 2										
	p Fort William	171	50	9th	27	12th	42·6	32·3	37·7	− 0·6	6	1·62	41	− 7										
1. SCOTLAND, E.																								
	t Nairn	82	48	9th	26	13th	39·6	31·9	35·9	− 0·7	6	0·87	22	+12	Nairn ..	1·1	—	16	—	—	—	—	—	—
	p Gordon Castle	101	49	9th	28	12, 13	41·9	32·4	37·3	− 0·2	6	0·46	12	+ 1	Gordon Castle	1·2		17	—	—	—	—	—	—
	t Aberdeen	46	49	9th	30	13th	41·3	34·4	38·0	+0·8	5	0·20	5	− 7	Aberdeen ..	2·3	− 1·0	32	4	20	—	—	41·4	+1·2
	a Balmoral	930	45	9th	15	13th	35·9	27·0	31·6	− 2·1	6	0·49	12	− 2	Balmoral ..	—	—	—	6	10	—	—	—	—
	p Crieff	432	46	8, 9	25	13th	39·3	30·9	35·3	− 1·0	5	0·87	22	+ 1	Crathes ..	2·2	− 0·8	31	3	22	35·9	—	40·9	—
	a Dundee	244	46	8th	23	13th	38·6	29·4	34·2	− 2·2	4	0·48	12	+ 1	Dundee ..	2·6	—	36	6	20	34·6	—	—	—
	t Inchkeith (F. of Forth)	190	51	9th	33	13, 14	41·9	36·9	39·5	—	4	0·49	12	—	Inchkeith (F. of Forth)	—	—	—	2	25	—	—	—	—
	p Edinburgh	441	52	9th	30	14th	41·7	34·1	38·1	+0·7	4	0·60	15	+ 6	Edinburgh ..	2·1	+0·7	29	2	24	—	—	—	—
	a West Linton	769	51	8, 9	21	13th	43·7	29·1	36·7	+3·1	6	1·41	36	—	West Linton ..	—	—	—	7	17	—	—	—	—
	a Marchmont	498	50	9, 10	25	13th	41·4	31·7	36·7	+0·9	3	0·81	21	+ 9	Marchmont ..	2·1	+1·0	29	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																								
	a Ford (Argyll)	149	52	8th	25	12, 13	43·3	33·4	38·6	—	6	1·67	42	—	Ford (Argyll)	—	—	—	3	20	39·9	—	43·7	—
	t Renfrew	49	52	9th	27	13th	41·3	34·1	37·8	—	6	1·30	33	—	Renfrew ..	1·3	—	18	4	23	—	—	—	—
	p Rothesay	200	51	9th	32	12th	43·1	35·1	39·3	0·0	7	1·89	48	+25	Rothesay ..	1·6	—	22	3	24	39·4	—	44·0	+1·5
	a Kilmarnock	90	52	8, 9	25	12th	43·4	34·6	39·2	+1·9	5	1·20	31	+13	Kilmarnock ..	1·3	—	17	—	—	39·6	—	44·3	—
	a Colmonell	170	54	8, 9	29	12, 13	46·3	36·1	41·4	+2·7	6	1·73	44	+22	Colmonell ..	—	—	—	3	26	—	—	—	—
	p Dumfries	160	54	9th	20	12th	42·4	31·6	37·2	− 0·5	5	1·31	33	+18	Dumfries ..	2·6	—	33	5	18	39·0	+0·9	43·0	+1·8
	t Eskdalemuir	794	50	9th	19	13th	39·9	31·0	35·6	—	—	—	—	—	Eskdalemuir ..	1·5	—	20	3	16	—	—	—	—
b, I. OF MAN *h* Douglas	284	53	9th	34	12, 13	45·6	38·1	42·0	+1·4	5	1·53	39	+21	Douglas ..	2·3	+0·8	30	2	27	—	—	—	—
2. ENGLAND, N.E.																								
	a Alnwick Castle ..	210	57	9th	23	13th	43·3	32·6	38·2	+0·6	4	0·37	9	− 4	Cockle Park ..	2·3	+0·9	30	4	21	37·1	+0·3	41·7	+1·7
	t Tynemouth	118	56	9th	30	13th	43·6	36·7	40·3	+2·0	3	0·13	3	− 7										
	p Durham	336	56	9th	22	13, 14	42·0	31·6	37·0	+0·3	3	0·16	4	− 6	Durham ..	2·6	+1·3	34	5	15	—	—	—	—
a North ..	*p* Rounton	249	57	9th	25	13, 14	44·7	31·3	38·3	+1·6	2	0·07	2	− 8	Rounton ..	—	—	—	5	16	38·3	—	—	—
	a West Witton	605	53	9th	24	13th	42·1	33·9	38·2	—	6	0·55	14	—	West Witton	—	—	—	4	21	37·2	—	42·4	—
	h Scarborough	118	57	9th	34	13th	46·1	37·3	41·9	+3·5	4	0·17	4	− 8	Scarborough †	1·6	+0·4	20	—	—	—	—	42·9	—
	p York	56	56	9th	28	13th	44·6	35·1	40·0	+2·4	4	0·19	5	− 5	York ..	1·3	+0·5	17	—	—	39·9	+0·8	44·0	+1·5
	t Spurn Head	26	54	9th	35	12|13|14	44·9	37·9	41·5	+3·3	4	0·13	3	− 5	Spurn Head ..	1·3	—	16	—	—	—	—	—	—
b, South ..	*a* Lincoln	58	57	9th	27	13th	45·1	35·0	40·3	+3·4	5	0·28	7	− 3	Lincoln ..	—	—	—	3	26	38·6	+1·0	43·9	+1·8
	t Cranwell	237	56	9th	27	13th	43·6	34·9	39·4	+2·6	5	0·29	7	− 3	Cranwell ..	1·8	+0·4	23	3	22	—	—	—	—
															Skegness ..	1·3	− 0·2	17	—	—	—	—	—	—
3. ENGLAND, E.																								
	p Cromer	196	55	9th	30	14th	45·0	35·6	40·5	+3·1	5	0·18	5	− 3	Cromer ..	1·3	− 0·4	16	—	—	—	—	—	—
	a Little Massingham ..	277	54	9th	29	13th	43·9	34·7	39·5	+3·7	5	0·27	7	− 4	Lit Massingham	0·7	− 0·7	8	—	—	—	—	—	—
	t Yarmouth	13	56	9th	31	14th	46·1	36·4	41·4	+4·1	5	0·74	19	+ 9	Yarmouth ..	1·4	—	18	2	28	40·9	+1·3	45·0	+0·9
	a Norwich	93	55	9th	29	13, 14	45·0	35·1	40·3	+3·4	6	0·62	16	+ 5	Norwich ..	1·2	—	15	2	22	37·5	—	—	—
	a Geldeston	37	57	9th	27	13, 14	45·9	33·1	39·8	+2·2	5	0·50	13	+ 4	Geldeston ..	1·3	− 0·4	16	—	—	—	—	—	—
	p Cambridge	41	56	9, 10	24	13th	47·6	34·1	41·1	+3·9	4	0·16	4	− 4	Cambridge ..	1·7	+0·1	21	4	23	40·1	+0·8	45·3	+1·8
	t Clacton-on-Sea ..	54	53	8, 9	28	13th	46·7	36·7	41·9	+4·5	4	0·23	6	− 1	Clacton-on-Sea	2·0	+0·3	25	4	25	40·2	− 0·2	45·2	+0·4
	a Rothamsted	420	54	9th	21	13th	45·6	32·9	39·5	+2·7	4	0·22	6	− 5	Rothamsted	2·5	+1·0	31	5	14	39·2	—	—	—
	p Tottenham	51	56	9th	27	13th	48·1	37·4	43·0	—	3	0·26	7	—	Tottenham ..	1·6	—	20	—	—	—	—	45·4	+0·6
															Southend ..	2·0	—	25	3	24	40·2	—	—	—
4. MIDLAND COUNTIES.																								
	h Harrogate	479	55	9th	28	13th	41·9	34·9	38·5	+2·4	5	0·31	8	− 4	Harrogate ..	2·0	+0·5	26	3	23	39·1	+0·4	42·1	+1·3
a North ..	*p* Sheffield	429	55	9th	29	13th	44·0	36·0	40·2	—	6	0·48	12	—	Sheffield ..	1·5	+0·2	19	2	24	38·5	0·0	42·8	+0·3
	p Buxton	987	52	9th	20	13th	41·1	31·9	36·7	+2·0	5	0·88	22	− 1	Buxton ..	1·2	—	15	3	19	37·6	− 0·6	42·7	− 0·1
	a Worksop	56	58	9th	25	13th	45·4	34·1	40·0	+3·2	4	0·39	10	+ 1	Worksop ..	1·4	+0·3	18	6	18	38·6	—	42·9	—
	t Nottingham	82	57	9th	24	13th	44·3	34·1	39·4	+2·4	5	0·51	13	+ 4	Nottingham ..	0·9	− 0·1	11	3	22	38·0	+0·3	41·1	+0·3
b, East ..	*p* Birmingham, Edgbsn...	525	54	9th	29	13th	44·4	35·6	40·2	+3·1	3	0·28	7	− 3	Birmingham	2·0	+1·0	25	3	17	40·9	+0·6	46·2	+1·4
	a Raunds	213	56	9th	24	13th	45·9	34·4	40·4	+4·4	5	0·20	5	− 3	Raunds ..	2·1	—	27	4	19	40·6	—	—	—
	p Oxford	208	55	9th	24	13th	46·3	34·7	40·7	+2·9	4	0·48	12	+ 3	Oxford ..	2·3	+0·8	29	5	18	—	—	—	—
															Malvern ..	3·0	—	37	3	22	40·3	—	44·5	—
	a Cheadle (N. Staffs.) ..	646	54	10th	27	13th	43·7	33·0	38·6	+2·7	4	0·61	16	+ 3	Cheadle	—	—	—	6	21	—	—	—	—
c, West ..	*p* Tenbury	313	55	9th	20	13th	45·1	33·6	39·6	+1·5	5	0·44	11	+ 2	Tenbury ..	—	—	—	4	18	40·6	—	—	—
	a Hereford	291	57	9th	19	13th	44·1	33·1	38·8	+1·5	4	0·62	16	+ 5	Ross on Wye	2·6	—	33	2	16	41·1	—	45·1	—
	a Clifton	225	53	9th	27	13, 14	47·6	36·4	42·2	+3·2	3	0·52	13	− 2	Clifton ..	1·9	—	24	3	25	—	—	—	—
5. ENGLAND, S.E.																								
	a Marlborough	424	54	9th	20	13th	45·1	32·3	39·0	+2·0	6	0·71	18	+ 4	Worthing ..	2·1	+0·2	26	4	22	41·7	+0·9	46·5	+1·2
	a Portou	340	54	9th	17	13th	45·0	30·7	38·1	—	3	0·54	14	—	Marlborough	1·7	+0·3	21	5	19	41·7	—	46·9	—
	a Wisley, Surrey ..	150	55	9th	23	13th	46·3	35·0	40·9	+3·1	3	0·11	3	− 7	Porton	—	—	—	—	—	41·0	—	—	—
	h Tunbridge Wells ..	354	54	9th	24	13th	47·0	35·9	41·7	+4·3	4	0·25	6	− 8	Wisley, Surrey	1·8	+0·2	23	5	13	40·6	+0·5	45·1	+1·2
	h Margate	51	56	8, 9	32	13th	47·6	37·9	42·9	+4·0	5	0·31	8	− 1	Tunbridge Wells	1·7	+0·1	21	4	17	41·3	—	45·4	—
															Margate ..	1·3	− 0·3	16	4	27	41·8	+0·5	45·9	+1·5
	t Dungeness	21	50	8, 10	31	12, 14	46·0	37·7	42·0	+3·0	5	0·19	5	− 6	Folkestone ..	2·8	—	34	4	25	—	—	48·3	—
	h St. Leonards	178	53	9th	32	13th	46·3	38·4	42·5	+3·3	4	0·37	10	− 3	St. Leonards ..	3·1	+1·2	38	4	25	40·8	—	46·1	—
	p Southampton	64	54	9, 10	25	13th	47·6	37·3	42·7	+3·0	6	0·46	12	− 3	Southampton	1·6	− 0·1	19	4	14	—	—	—	—
	a Ventnor	59	53	8th	31	13th	47·1	38·9	43·2	+1·9	6	0·43	11	− 3	Ventnor ..	1·3	− 0·6	16	—	—	—	—	—	—
LONDON	*t* Richmond (Kew Obs.)	18	56	9th	28	13, 14	45·5	37·3	41·6	+3·2	4	0·16	4	− 6	Richmond	2·0	+0·6	24	4	20	40·1	+0·3	46·0	+1·7
	a Westminster	27	57	9th	27	13th	48·0	37·1	42·8	+3·6	4	0·17	4	− 5	Westminster	1·6	+1·0	20	4	22	—	—	—	—
	ag Greenwich ..	149	56	9th	28	13, 14	46·7	37·0	42·0	+3·9	4	0·15	4	− 5	Greenwich ..	1·7	+0·6	21	4	21	—	—	—	—
	a Hampstead	450	54	9th	26	13th	45·1	35·4	40·4	—	4	0·25	6	—	Hampstead ..	2·3	—	29	5	16	—	—	—	—
	ag Camden Square ..	110	56	9th	27	13th	47·3	36·1	41·9	+3·5	4	0·20	5	− 5	Camden Square	—	—	—	4	23	40·7	—	45·3	—
7. *a*, ENGLAND, N.W.																								
	p Aspatria (Mealsgate) ..	487	52	9th	27	13th	42·9	32·6	38·0	+0·3	5	1·26	32	+15	Aspatria	2·0	+0·7	26	3	21	40·1	+0·7	44·4	+1·3
	p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
	p Stonyhurst	375	54	9th	26	13th	43·9	35·4	39·8	+2·3	5	0·91	23	+ 1	Stonyhurst ..	1·5	+0·5	19	3	21	—	—	—	—
	h Blackpool	66	52	9th	28	13th	43·6	37·6	40·7	+2·3	4	0·54	14	0	Blackpool ..	2·2	+0·9	28	3	21	42·3	—	46·4	—
	h Southport	37	56	9th	28	13th	43·5	37·7	40·7	+2·3	4	0·60	15	+ 2	Southport ..	2·4	+1·1	31	2	22	38·7	+0·8	43·0	+1·8
															Hoylake ..	2·5	+1·1	32	—	—	—	—	—	—
	t Liverpool (Bidston) ..	188	55	9th	26	14th	45·0	37·1	41·2	+2·1	4	0·72	18	+ 7	Liverpool	2·4	—	31	3	24	—	—	—	—
	a Hawarden Bridge ..	22	57	8, 9	28	14th	46·6	38·9	42·9	+3·2	5	0·51	13	+ 4	Manchester City	0·3	− 0·1	3	1	27	39·4	+0·7	44·9	+1·7
	p Manchester (Whit. Pk.)	125	57	9th	27	13th	44·4	35·7	40·2	+1·4	6	0·76	19	+ 6	„ Whit. Pk.	0·3	− 0·2	4	—	—	—	—	—	—
8. NORTH WALES.																								
	h Llandudno	22	56	9th	30	13th	46·6	39·6	43·2	+2·0	4	0·45	11	− 2	Llandudno ..	2·0	+0·4	26	—	—	—	—	—	—
	t Holyhead	15	54	9th	33	13th	47·3	42·1	44·8	+3·2	3	0·88	21	+ 5	Holyhead ..	2·3	—	29	0	31	—	—	—	—
	a Aberdovey	60	52	9, 10	33	13th	47·6	41·1	44·5	—	4	0·78	20	—	Aberdovey ..	2·3	+0·7	29	2	25	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND	Bright Sunshine Hours per Day			Ground Temperature				
		Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
8. S. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F
h Aberystwyth	16	53	9th	30	12, 13	46·1	39·6	43·0	—	3	0·63	16	—	Aberystwyth	2·4	+0·8	31	—	—	—	—	—	—
a Rhayader	757	53	8, 9	13	13th	43·4	32·1	38·0	—	6	0·91	23	—	Rhayader ..	1·9	—	24	3	9	—	—	—	—
t Pembroke	149	53	9th	36	12th	48·4	43·6	46·1	+3·9	4	0·31	8	- 10	Pembroke ..	2·1	+0·5	26	—	—	—	—	—	—
p Cardiff	202	54	9th	26	13th	47·0	36·3	41·9	+3·5	6	0·68	17	- 2	Cardiff ..	2·0	—	25	4	19	42·1	+1·6	46·4	+1·9
b, ENGLAND, S.W.																							
h Bath	66	56	9th	22	13th	46·4	35·6	41·2	+2·4	3	0·47	12	- 1	Bath	1·9	+0·4	23	—	—	42·5	—	46·8	—
a Shaftesbury	722	53	9th	29	12th	44·7	35·9	40·5	+3·4	5	0·57	15	+ 1	Shaftesbury ..	—	—	—	—	—	41·3	—	44·9	—
a Arlington	613	52	8th	27	13th	45·6	36·5	41·2	+2·5	5	1·21	31	+ 5										
h Newquay	190	54	9th	29	13th	48·8	42·3	45·7	+2·7	4	0·45	11	- 5	Newquay ..	1·7	- 0·1	20	—	—	47·7	—	50·4	—
a Cullompton	202	55	9th	24	13th	47·6	35·1	41·6	+2·4	6	0·69	18	+ 1	Cullompton ..	1·4	0·0	17	4	14	44·3	—	—	—
t Portland Bill	19	54	8, 9, 10	36	12, 13	49·9	43·3	46·7	+4·9	4	0·39	10	- 2	Weymouth ..	1·4	—	17	—	—	—	—	—	—
p Plymouth	116	55	9th	30	13th	49·6	37·6	43·8	+2·0	6	0·58	15	- 3	Plymouth ..	1·4	- 0·3	17	3	23	45·0	+2·2	49·1	—
h Falmouth	167	54	8, 9	31	12th	49·7	41·4	45·7	+2·8	6	0·64	16	- 7	Falmouth ..	2·0	+0·2	24	2	25	46·6	—	50·2	—
9. IRELAND, N.																							
a, West .. *t* Malin Head	208	53	9th	35	13th	46·6	40·6	43·7	+3·3	5	0·89	23	+ 8	Malin Head ..	1·2	—	17	—	—	—	—	—	—
t Blacksod Point ..	10	54	9th	34	12th	47·3	40·6	44·1	+2·0	6	1·46	37	+ 8										
a Mallarany	120	53	9th	31	12, 13	48·4	37·9	43·4	—	6	2·44	62	—	Mallarany ..	1·9	—	24	2	22	—	—	—	—
p Markree Castle..	122	57	9th	22	12th	47·0	35·3	41·4	+2·3	7	1·71	43	+20	Markree Castle	1·5	+0·4	20	4	19	43·5	+2·2	47·5	+2·6
b, East .. *p* Armagh	204	55	9th	27	12th	44·9	35·0	40·2	+1·4	7	0·89	23	+ 8	Armagh ..	2·3	+1·1	30	2	19	42·4	+1·9	46·1	+2·4
t Donaghadee	35	57	9th	33	13th	46·6	38·0	42·5	+2·5	6	0·79	20	+ 5										
														Trinity Coll. Phœnix Park	2·2	+0·5	29	3	19	42·9	+1·3	46·7	+2·1
10. IRELAND, S.																							
p Dublin City	54	57	9th	30	12th	46·0	37·4	41·9	+0·6	4	0·42	11	- 2	Dublin City ..	—	—	—	3	25	—	—	—	—
t Birr Castle	175	56	9th	25	12th	44·9	36·3	40·8	+1·5	6	0·54	14	- 2	Birr Castle ..	1·3	- 0·2	17	3	19	—	—	—	—
a Kilkenny	195	56	8, 9	23	13th	47·4	33·9	40·9	+1·5	5	0·56	14	- 4										
a Waterford	137	56	8th	28	12, 13	48·9	37·0	43·2	+2·0	4	0·69	17	- 4										
p Seskin, Carrick-on-Suir	542	55	9th	27	12th	46·6	37·0	42·0	—	5	0·57	14	—	Seskin ..	2·6	—	32	2	23	—	—	—	—
a Foynes	50	56	9th	27	12, 13	50·0	37·3	43·9	+2·5	5	1·11	28	+ 6										
t Cahirciveen (Val. Obs.)	30	56	9th	30	12th	49·4	43·3	46·5	+2·7	5	1·80	46	+14	Cahirciveen ..	1·7	+0·2	21	1	?	—	—	—	—
a Killarney	174	60	9th	29	12, 13	50·8	38·1	44·7	+2·6	6	1·36	35	0	Ballinacurra	1·7	0·0	21	—	—	—	—	—	—
t Roche's Point	32	55	9th	32	12th	48·9	42·3	45·7	+2·7	5	0·81	21	- 3										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	9th	40	12, 14	51·0	46·3	48·7	+3·4	6	0·64	16	- 2	Scilly ..	1·8	0·0	22	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	8, 9, 10	33	13th	49·4	43·6	46·6	+4·1	5	0·44	11	- 6	St. Heliers ..	1·0	- 1·0	12	—	—	—	—	—	—
p Guernsey† ..	173	56	10th	33	13th	50·4	42·6	46·7	+3·7	6	0·78	20	+ 2	Guernsey ..	1·4	- 0·4	17	1	26	46·4	+1·9	49·4	+1·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, January 14th, 1922.

DISTRICT AND STATION.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.		Mid Time.	Speed.		Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s	d. hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																				
**Deerness (Cup Anr.) ..	188	16	5	9, 10	5	8 to 11	51	62	39	11	0	260	43	19	9 23	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	2	136	29	1	310	15	7	11 19	37	17	11	19	30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	60	83	25	0	320	21	10	11 12	—	—	—	—	—
Edinburgh	485	39	31	—	0	8 to 10	9	94	44	21	0	190	28	13	8 4	49	22	10	17	45
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	8 to 11	8	78	39	43	0	210	30	14	9 13	51	23	9	13	5
Paisley	188	81	15	—	0	—	0	53	69	46	0	270	22	10	10 14	56	25	10	19	5
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	9	4	58	63	20	23	230	34	15	9 13	58	26	9	13	0
South Shields	72	61	12	—	0	9 to 11	26	53	73	16	0	280	34	15	10 12	58	26	9	14	50
Spurn Head	67	41	‡	—	0	8 to 12	53	68	47	0	0	330	34	15	12 7	53	24	11	13	50
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	12	9	70	80	9	0	360	32	14	12 8	68	30	12	8	55
Shoeburyness	103	90	‡	—	0	—	0	25	51	32	60	—	—	—	— —	—	—	—	—	—
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	9	3	41	94	30	0	250	26	12	9 13	45	20	11	18	5
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	74	69	15	10	—	22	10	9 17	36	16	11	19	35
Larkhill, S'y Plain ..	513	63	43	—	0	9	10	89	41	2	26	230	30	13	9 19	39	17	9	18	45
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	33	96	39	0	240 / 250	20	9	9 21 / 23	36	16	11	18	25
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	11	4	8 to 11	35	55	65	9	0	300	45	20	11 14	—	—	—	—	—
Southport	80	62	48	11	1	8 to 12	56	53	49	9	0	270	39	17	11 14	59	26	11	14	20
Holyhead	60	40	‡	—	0	8 to 11, 13, 14	53	86	25	4	0	300	38	17	11 16	56	25	11	15	30
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	9	13	8 to 10, 13, 14	48	67	34	6	0	240	45	20	9 12	63	28	9	14	15
Plymouth	185	88	2	13	1	9, 13	10	68	61	25	3	—	39	17	13 23	47	21	13	23	30
Lyme Regis	556	61	‡	—	0	—	0	43	82	34	9	—	20	9	9 5	29	13	9	5	15
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	9	2	8 to 11	44	78	40	4	0	240	42	19	9 5	—	—	—	—	—
Quilty	100	40	‡	9	1	8, 9, 13	22	104	27	14	0	—	41	18	9 11	58	26	9	10	30
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	8, 9, 12, 13	23	70	63	12	0	230	36	16	9 9	54	24	9	5	50
Weaver Pt.	160	30	‡	9	1	8, 9, 12, 13	39	65	55	8	0	—	39	17	9 15	68	28	9	14	10
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	—	0	8 to 10, 13, 14	49	74	43	2	0	260	38	17	8 7	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SECOND WEEK of 1922—January 8th to January 14th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	50	23	41·4	33·2	37·5	− 0·1	0	− 5	32	− 5	5	0	1·10	28	− 1	0·5	− 0·3	7	1009
Eastern.																			
1. SCOTLAND, EAST ..	51	15	40·6	31·8	36·4	− 0·1	0	− 4	39	− 5	5	+1	0·70	18	+ 5	2·1	+0·9	29	1012
2. ENGLAND, N.E. ..	57	22	44·2	34·7	39·7	+2·0	6	0	23	− 14	4	0	0·20	5	− 5	1·8	+0·6	24	1016
3. ENGLAND, EAST ..	57	21	46·0	35·1	40·8	+3·5	11	+ 4	20	− 21	5	+1	0·35	9	− 1	1·6	0·0	19	1018
4. MIDLAND COUNTIES	58	19	44·9	34·4	39·8	+2·7	8	0	24	− 19	4	0	0·44	11	0	1·8	+0·5	23	1019
5. ENGLAND, S.E. ..	56	17	46·4	36·1	41·5	+2·7	12	+ 1	16	− 18	5	+1	0·35	9	− 3	1·9	+0·3	24	1020
Western.																			
6. SCOTLAND, WEST ..	54	20	43·6	34·7	39·4	+0·4	4	− 3	23	− 8	6	+2	1·52	39	+16	—	—	—	1015
7. ENGLAND, N.W. ..	57	26	45·0	37·4	41·4	+2·4	8	− 1	13	− 17	5	+1	0·75	19	+ 4	2·1	+0·9	27	1018
8. ENGLAND, S.W. ..	56	13	47·2	37·7	42·7	+2·3	17	+ 3	12	− 12	5	+1	0·65	17	− 2	1·8	+0·3	23	1020
9. IRELAND, NORTH ..	57	22	46·2	37·6	42·2	+2·3	14	+ 3	12	− 15	6	+1	1·06	27	+ 7	1·9	+0·7	25	1017
10. IRELAND, SOUTH ..	60	23	48·3	38·3	43·5	+2·1	21	+ 4	10	− 11	5	+1	0·92	23	0	1·7	+0·2	22	1020
11. ENGLISH CHANNEL..	56	33	50·3	44·2	47·3	+3·4	37	+15	0	− 10	6	+1	0·62	16	− 2	1·4	− 0·5	17	1022
MEAN: DISTRICTS 1-10	60	13	45·2	35·8	40·7	+2·0	10	+ 1	19	− 14	5	+1	0·69	18	+ 2	1·9	+0·5	24	1018

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, November 27th, 1921, to January 14th, 1922.

0. SCOTLAND, NORTH ..	56	18	44·7	35·9	40·5	+ 1·7	66	+ 8	140	− 74	40	+3	12·25	311	+74	0·5	− 0·2	7	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	11	44·6	35·2	40·1	+ 2·3	68	+ 15	162	−103	34	+5	4·65	118	+ 1	1·5	+ 0·4	21	1009
2. ENGLAND, N.E. ..	58	22	46·9	37·2	42·2	+ 3·0	114	+ 48	103	−106	27	− 1	2·22	56	− 34	1·7	+ 0·5	22	1014
3. ENGLAND, EAST ..	59	19	46·7	36·3	41·7	+ 2·5	110	+ 32	127	− 97	27	− 2	2·69	68	− 22	1·5	+ 0·1	19	1016
4. MIDLAND COUNTIES	59	19	47·0	36·7	42·1	+ 3·3	115	+ 34	115	−125	28	− 1	3·15	80	− 25	1·3	+ 0·1	17	1017
5. ENGLAND, S.E. ..	59	17	47·5	38·0	42·9	+ 1·9	131	+ 16	86	− 81	28	0	2·63	66	− 50	1·4	− 0·1	17	1018
Western.																			
6. SCOTLAND, WEST ..	55	20	47·3	37·9	42·8	+ 2·5	123	+ 40	84	− 86	39	+6	10·14	258	+48	—	—	—	1012
7. ENGLAND, N.W. ..	58	26	47·8	39·4	43·8	+ 3·3	139	+ 48	52	−112	36	+5	6·01	153	+10	1·3	+ 0·2	17	1016
8. ENGLAND, S.W. ..	57	13	49·0	40·2	44·8	+ 2·4	177	+ 38	40	− 80	35	+2	4·36	111	− 73	1·2	− 0·3	15	1019
9. IRELAND, NORTH ..	57	22	49·2	41·1	45·3	+ 4·1	193	+ 91	34	−115	41	+5	6·18	157	+ 1	1·1	− 0·1	15	1013
10. IRELAND, SOUTH ..	60	23	51·0	42·4	46·9	+ 4·1	255	+100	14	−101	35	+1	4·95	125	− 55	1·2	− 0·3	16	1018
11. ENGLISH CHANNEL..	58	31	51·6	45·7	48·7	+ 2·8	329	+105	0	− 38	38	+2	3·87	98	− 64	1·0	− 0·8	13	1020
MEAN: DISTRICTS 1-10..	60	11	47·7	38·4	43·3	+ 2·9	143	+ 46	82	−101	33	+2	4·70	119	− 20	1·4	+ 0·1	18	1015

THE YEAR. Aggregates, &c., for the Period of 2 Weeks, January 1st to January 14th, 1922.

0. SCOTLAND, NORTH ..	55	23	41·4	33·8	37·8	− 0·1	0	− 11	59	− 13	12	+2	2·64	67	+ 9	0·4	− 0·3	6	1007
Eastern.																			
1. SCOTLAND, EAST ..	57	15	40·8	32·8	37·0	+ 0·3	0	− 10	71	− 15	10	+2	1·37	35	+ 6	1·8	+ 0·7	25	1010
2. ENGLAND, N.E. ..	57	22	44·2	35·2	39·9	+ 2·0	12	− 1	42	− 30	8	0	0·53	13	− 10	1·8	+ 0·7	24	1013
3. ENGLAND, EAST ..	57	21	45·2	34·9	40·2	+ 2·6	17	+ 1	43	− 37	9	+1	1·06	27	+ 4	1·6	+ 0·1	20	1015
4. MIDLAND COUNTIES	58	19	44·8	35·0	40·0	+ 2·6	15	− 2	44	− 39	8	0	0·89	22	− 4	1·6	+ 0·4	20	1016
5. ENGLAND, S.E. ..	57	17	45·7	35·8	41·0	+ 1·8	20	− 4	35	− 28	9	+1	0·61	16	− 10	1·6	+ 0·1	20	1017
Western.																			
6. SCOTLAND, WEST ..	54	20	44·3	35·7	40·2	+ 1·1	12	− 4	39	− 21	11	+2	2·72	69	+18	—	—	—	1013
7. ENGLAND, N.W. ..	58	26	45·3	37·8	41·7	+ 2·5	19	0	24	− 34	10	+2	1·62	41	+ 7	1·5	+ 0·4	19	1016
8. ENGLAND, S.W. ..	56	13	47·1	38·2	42·9	+ 2·0	33	+ 2	21	− 25	10	+1	1·27	33	− 9	1·4	− 0·1	17	1019
9. IRELAND, NORTH ..	57	22	46·9	38·8	43·1	+ 2·9	33	+ 9	18	− 34	12	+2	1·97	50	+ 9	1·5	+ 0·2	20	1016
10. IRELAND, SOUTH ..	60	23	48·5	40·0	44·4	+ 2·6	45	+ 8	11	− 29	10	+1	1·29	32	− 16	1·3	− 0·2	17	1021
11. ENGLISH CHANNEL..	56	31	49·9	43·7	46·9	+ 2·6	68	+19	0	− 19	13	+3	1·23	31	− 7	1·0	− 0·9	13	1021
MEAN: DISTRICTS 1-10 ..	60	13	45·3	36·4	41·0	+ 2·0	21	0	35	− 29	10	+1	1·33	34	0	1·6	+ 0·3	20	1016
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
20th January, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
30 JAN 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 3.

THIRD WEEK.
SUNDAY, JANUARY 15TH, TO SATURDAY, JANUARY 21ST, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was of a very variable character. In most districts rain or snow fell on six days and over large areas the snow was lying for most of the week. On the other hand at a large number of stations, on various days, between six and seven hours of sunshine were recorded; the largest amounts were on the South Coast, 7·6 hours at Worthing, 7·5 hours at Portsmouth, 7·4 hours at Brighton and 7·2 hours at St. Leonard's and Eastbourne on the 16th, 7·3 hours at Torquay on the 17th, 7·9 hours at Eastbourne and 7·4 hours at St. Leonard's on the 20th. The winds were mainly moderate to strong, but reached the force of a gale in places. The mean temperature for the week was, for the first time this season, below the normal in all districts and although maximum temperatures above 50°F. were recorded towards the end of the week, cold nights were experienced over the country generally. At a large number of stations the minimum thermometer registered readings below 20°F., the actual lowest readings being 8°F. at West Linton (Peebles) and Eskdalemuir, 11°F. at Balmoral, and 12°F. at Durham and Hodsock Priory (Worksop) on the 18th, while thermometers exposed over the snow read as low as —4°F. at Worksop and 4°F. at Eskdalemuir on the same date. The mean daily range of temperature for the week was more than 12°F. at several stations. Precipitation (rain or snow) was above the normal in all districts except Scotland N., and measurements of 20mm. or more in a day were very numerous. Amongst the largest amounts were 39mm. at Colmonell (Ayr), 37mm. at Blacksod Point and 35mm. at Crathes (Kincardine) on the 15th, 29mm. at Killarney on the 17th, 34mm. at Southampton, 25mm. at Portsmouth on the 18th, and 25mm. at Felixstowe on the 19th. Thunder and hail were reported at several stations. The mean amount of bright sunshine for the week was in excess of the normal at a large number of stations and the mean departure from the normal ranged from +3·2 hours at Armagh to —1·8 hours at Skegness. Aurora was observed at Gordon Castle (Elgin) on the 18th. Solar halos were seen at Richmond (Kew Observatory) on the 17th, and at Oxford on the 16th, 17th and 19th. The Zodiacal Light was witnessed at Oxford on the 16th, 17th and 20th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	28	22	9·9	16	14	6·1	18	22	9·9	15	11	4·8	19	15	6·6	13	13	5·8	18	12	5·5	15	13	6·0
North ...	0	—	—	0	—	—	8	4	1·5	5	4	1·6	9	12	5·3	8	17	7·5	4	3	1·5	11	7	3·2
West ...	3	4	1·7	3	6	2·6	22	7	3·2	10	8	3·7	15	16	7·2	20	15	6·6	21	14	6·1	20	15	6·8
East ...	21	15	6·9	11	7	3·3	1	13	5·8	5	4	1·7	12	8	3·4	1	15	6·7	3	3	1·4	7	6	2·8
Calm (or wind-speed < 4 m.p.h.)	0	—	—	1	—	—	0	—	—	4	—	—	0	—	—	1	—	—	1	—	—	0	—	—
No record ..	0	—	—	10	—	—	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL.* [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *see below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Very Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate
	Rainfall ..	Moderate	Heavy	Heavy	Very Heavy	Heavy	Very Heavy	Heavy	Heavy	Heavy	Very Heavy	Heavy	Very Heavy
	Sunshine ..	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	—	Abundant	Abundant	Very Abundant	Very Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 8 weeks from Nov. 27th, 1921.	Warmth ..	3, 4, 1	3, 4, 1	5, 1, 2	6, 0, 2	5, 1, 2	3, 4, 1	5, 2, 1	5, 2, 1	4, 4, 0	6, 1, 1	6, 1, 1	6, 2, 0
	Rainfall ..	3, 4, 1	4, 1, 3	1, 3, 4	4, 2, 2	2, 4, 2	1, 5, 2	5, 1, 2	3, 3, 2	1, 5, 2	4, 2, 2	2, 3, 3	1, 4, 3
	Sunshine ..	1, 4, 3	3, 4, 1	4, 3, 1	2, 3, 3	3, 3, 2	2, 4, 2	—	4, 4, 0	1, 4, 3	3, 3, 2	1, 4, 3	0, 2, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
Islands — *t* Lerwick	54	44	19th	30	17th	40·3	34·7	37·6	- 2·1	7	1·56	40	+15										
Islands — *p* Deerness, Orkney	165	48	21st	31	17th	42·9	35·3	39·3	- 0·3	7	0·81	21	0	Deerness	0·0	- 0·9	0	—	—	—	—	—	—
Islands — *t* Stornoway	51	47	21st	33	17, 20	41·6	34·9	38·4	- 1·6	7	2·08	53	+22	Stornoway	1·0	+0·2	14	—	—	—	—	—	—
Islands — *t* Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
b, Mainland. *t* Wick	81	44	21st	32	17th	40·6	35·0	37·9	- 0·7	5	0·65	17	+ 3										
b, Mainland. *a* Strathpeffer	125	44	21st	18	18th	38·1	26·6	32·6	- 5·4	4	0·93	24	+ 5										
b, Mainland. *p* Glencarron	500	47	21st	24	17th	38·6	30·6	34·8	- 3·0	5	0·72	18	- 42										
b, Mainland. *a* Fort Augustus	68	45	20, 21	24	18th	39·0	30·7	35·0	- 3·4	6	1·75	44	+12										
b, Mainland. *p* Fort William	171	47	21st	30	16, 17	39·4	32·9	36·3	- 3·3	7	1·43	36	- 21										
1. SCOTLAND, E.																							
t Nairn	82	44	21st	25	18th	37·1	30·6	34·0	- 4·1	5	0·37	9	- 3	Nairn	0·9	—	12	—	—	—	—	—	—
p Gordon Castle	101	42	21st	26	17, 18	37·6	30·0	34·0	- 5·0	7	0·44	11	- 1	Gordon Castle	0·5	—	6	—	—	—	—	—	—
t Aberdeen	46	43	21st	23	18th	38·1	32·4	35·4	- 3·3	5	1·40	36	+23	Aberdeen	0·7	- 1·0	10	6	15	—	—	—	—
a Balmoral	930	37	21st	11	18th	32·6	24·1	28·5	- 6·7	6	1·59	40	+24	Balmoral	—	—	—	7	8	—	—	40·5	+0·7
p Crieff	432	41	21st	19	18th	34·7	26·0	30·5	- 7·3	7	1·87	47	+23	Crathes	0·5	- 1·5	6	5	11	35·2	—	40·2	—
a Dundee	244	40	21st	16	18th	35·6	23·4	29·7	- 8·2	7	1·62	41	+29	Dundee	0·4	—	6	7	12	33·3	—	—	—
t Inchkeith (F. of Forth)	190	44	21st	28	18th	37·6	32·4	35·1	—	4	0·23	6	—	Inchkeith (F. of Forth)	—	—	—	4	23	—	—	—	—
p Edinburgh	441	43	21st	24	18th	38·1	28·7	33·6	- 5·2	3	0·22	6	- 4	Edinburgh	1·0	- 0·7	14	7	17	—	—	—	—
a West Linton	769	43	21st	8	18th	35·4	21·6	28·8	- 6·3	6	0·60	15	—	West Linton	—	—	—	7	5	—	—	—	—
a Marchmont	498	39	21st	17	18th	34·7	24·6	29·9	- 7·4	6	0·82	21	+ 8	Marchmont	1·0	- 0·5	13	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	47	21st	26	18th	39·6	30·9	35·4	—	7	2·57	65	—	Ford (Argyll)	—	—	—	3	23	36·7	—	42·8	—
t Renfrew	49	45	21st	17	18th	37·6	29·0	33·5	—	6	1·00	25	—	Renfrew	1·0	—	—	13	7	14	—	—	—
b Rothesay	200	47	21st	32	151617	40·3	33·3	36·9	- 3·3	7	2·08	53	+27	Rothesay	1·1	—	15	5	25	37·0	—	42·7	+0·6
a Kilmarnock	90	49	21st	27	18th	40·1	31·3	35·9	- 2·3	6	0·64	16	- 5	Kilmarnock	1·5	—	20	—	—	36·6	—	43·4	—
a Colmonell	170	44	21st	28	17th	40·9	32·1	36·7	- 2·7	6	3·55	91	+66	Colmonell	—	—	—	4	26	—	—	—	—
p Dumfries	160	44	21st	15	17, 18	37·1	26·6	32·1	- 6·5	7	2·13	54	+37	Dumfries	1·3	—	16	7	10	35·9	- 1·6	41·8	+1·0
t Eskdalemuir	794	40	21st	8	18th	33·7	23·3	28·7	—	6	1·50	38	—	Eskdalemuir	0·6	—	8	7	4	—	—	—	—
b, I. OF MAN *h* Douglas	284	50	21st	30	18th	42·6	34·9	38·9	- 2·6	7	2·20	56	+36	Douglas	2·2	+0·6	27	3	27	—	—	—	—
2. ENGLAND, N.E.																							
a North — *a* Alnwick Castle	210	40	20th	14	18th	36·1	25·1	30·8	- 7·5	6	1·15	29	+19	Cockle Park	1·2	- 0·5	16	7	13	34·4	- 1·9	40·3	+0·5
a North — *t* Tynemouth	118	41	21st	22	18th	37·0	30·3	33·8	- 5·1	6	0·83	21	+14										
a North — *p* Durham	336	38	19, 20	12	18th	34·4	23·1	29·0	- 8·4	6	1·13	29	+22	Durham	1·1	- 0·4	14	6	6	—	—	—	—
a North — *p* Rounton	249	45	15th	15	17, 18	38·4	24·3	31·6	- 5·7	6	1·01	26	+19	Rounton	—	—	—	7	10	35·4	—	—	—
a North — *a* West Witton	605	42	21st	19	21st	36·6	25·4	31·2	—	6	1·63	41	—	West Witton	—	—	—	7	12	34·9	—	41·6	—
a North — *h* Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
a North — *p* York	56	43	21st	15	18th	36·3	26·4	31·6	- 6·6	4	0·64	16	+ 8	York	0·3	- 0·7	4	—	—	37·3	- 1·3	43·1	+1·0
b, South — *t* Spurn Head	26	43	19th	27	18th	38·6	32·6	35·7	- 3·0	6	1·16	29	+23	Spurn Head	0·1	—	2	—	—	—	—	—	—
b, South — *a* Lincoln	58	45	19th	17	18th	38·4	26·4	32·6	- 4·8	6	1·01	26	+18	Lincoln	—	—	—	5	17	34·4	- 2·7	42·7	+1·0
b, South — *t* Cranwell	237	43	19th	16	18th	37·0	27·1	32·3	- 5·1	5	0·38	10	+ 2	Cranwell	0·1	- 1·6	1	5	14	—	—	—	—
3. ENGLAND, E.														Skegness	0·0	- 1·8	0	—	—	—	—	—	—
p Cromer	196	43	21st	17	18th	38·0	26·7	32·6	- 5·2	7	1·67	42	+35	Cromer	0·2	- 1·3	3	—	—	—	—	—	—
a Little Massingham	277	44	19th	16	18th	37·3	27·9	32·8	- 3·5	5	1·21	31	+21	Lit Massingham	0·0	- 1·3	0	—	—	—	—	—	—
t Yarmouth	13	43	19th	22	18th	38·4	31·0	34·9	- 2·8	6	1·81	46	+38	Yarmouth	0·8	—	10	2	20	37·9	- 1·1	43·3	- 0·4
a Norwich	93	43	19, 21	17	18th	37·7	26·6	32·4	- 4·9	6	1·92	49	+40	Norwich	0·1	—	1	5	10	34·5	—	—	—
a Geldeston	37	43	21st	17	18th	38·6	25·0	32·1	- 5·9	6	1·44	37	+29	Geldeston	0·0	- 1·5	0	—	—	—	—	—	—
p Cambridge	41	47	19th	22	18th	40·6	30·4	35·7	- 1·9	5	0·86	22	+15	Cambridge	1·0	- 0·5	12	5	22	37·3	- 1·4	44·1	+1·0
t Clacton-on-Sea	54	43	20th	27	18th	39·1	33·6	36·5	- 1·3	6	1·28	33	+27	Clacton-on-Sea	1·6	- 0·1	19	2	22	37·4	- 2·4	44·3	+0·1
a Rothamsted	420	46	19, 21	20	18th	41·0	28·6	35·1	- 2·1	6	1·54	39	+29	Rothamsted	1·7	+0·2	20	7	14	36·7	—	—	—
p Tottenham	51	48	21st	28	18th	42·6	34·4	38·7	—	6	1·64	42	—	Tottenham	0·8	—	10	—	—	—	—	44·3	+0·1
4. MIDLAND COUNTIES.														Southend	1·4	—	16	5	26	37·7	—	—	—
a North — *h* Harrogate	479	41	21st	22	18th	35·3	25·6	30·6	- 6·3	6	1·05	27	+15	Harrogate	0·9	- 0·7	11	6	12	36·7	- 1·5	40·8	+0·3
a North — *p* Sheffield	429	43	21st	26	15th	38·3	30·3	34·5	—	6	0·89	23	—	Sheffield	1·5	+0·2	18	6	19	35·5	- 2·4	41·8	- 0·3
a North — *p* Buxton	987	41	21st	20	18th	35·0	26·3	30·8	- 4·7	7	1·18	30	+ 8	Buxton	0·8	—	10	7	22	35·3	- 2·0	42·8	+0·4
b, East — *a* Worksop	56	44	21st	12	18th	37·6	23·3	30·7	- 6·9	6	0·76	19	+10	Worksop	0·7	- 0·5	8	7	-4	35·9	—	41·7	—
b, East — *t* Nottingham	82	46	19th	21	18th	38·3	29·3	34·0	- 3·8	5	0·67	17	+ 8	Nottingham	0·1	- 0·9	2	7	20	33·4	- 3·7	39·1	- 1·2
b, East — *p* Birmingham, Edgbsn.	525	46	21st	27	18th	39·4	31·1	35·4	- 2·6	6	1·04	26	+16	Birmingham	1·6	+0·6	20	6	18	37·5	- 2·3	45·5	+1·1
b, East — *a* Raunds	213	48	19th	23	18th	41·0	28·3	34·9	- 1·9	6	0·92	23	+16	Raunds	0·7	—	9	7	13	37·9	—	—	—
b, East — *p* Oxford	208	48	21st	26	18th	41·9	32·0	37·2	- 1·4	6	0·95	24	+15	Oxford	2·3	+0·7	28	6	17	—	—	—	—
														Malvern	1·8	—	22	5	26	36·9	—	43·1	—
c, West — *a* Cheadle (N. Staffs.)	646	44	21st	21	18th	37·4	26·7	32·3	- 4·4	6	1·46	37	+25	Cheadle	—	—	—	7	15	—	—	—	—
c, West — *p* Tenbury	313	50	21st	25	18th	41·3	30·1	35·9	- 3·0	6	0·95	24	+16	Tenbury	—	—	—	6	21	36·9	—	—	—
c, West — *a* Hereford	291	49	21st	25	20th	42·1	29·6	36·1	- 2·0	5	1·02	26	+16	Ross on Wye	1·3	—	15	4	20	36·4	—	43·5	—
c, West — *a* Clifton	225	51	21st	29	18, 20	43·9	33·0	38·7	- 1·0	5	0·87	22	+ 8	Clifton	2·1	—	25	4	27	—	—	—	—
5. ENGLAND, S.E.														Worthing	2·6	+0·8	31	5	20	38·9	- 1·2	45·5	+0·7
a Marlborough	424	49	21st	21	18th	42·7	28·3	35·8	- 1·8	7	1·16	30	+16	Marlborough	1·7	+0·5	21	6	17	38·2	—	45·8	—
a Porton	340	49	21st	22	18th	43·9	27·9	36·2	—	4	1·73	44	—	Porton	—	—	—	—	—	37·7	—	—	—
a Wisley, Surrey	150	47	192021	27	18th	43·1	31·9	37·7	- 0·6	6	1·69	43	+33	Wisley, Surrey	2·0	+0·5	24	6	13	37·6	- 1·8	43·7	+0·2
h Tunbridge Wells	354	48	20th	22	18th	42·1	31·6	37·1	- 0·7	5	1·88	48	+34	Tunbridge Wells	2·1	+0·5	24	6	11	38·8	—	44·2	—
h Margate	51	46	20th	29	16, 18	41·1	32·1	36·8	- 2·6	5	1·03	26	+17	Margate	1·4	- 0·1	17	4	24	37·7	- 2·8	44·4	+0·6
t Dungeness	21	48	20th	26	18th	42·9	34·0	38·6	- 0·8	4	1·73	44	+34	Folkestone	2·3	—	27	—	—	—	—	—	—
h St. Leonards	178	49	20th	29	18th	42·9	34·6	38·9	- 0·8	5	1·77	45	+33	St. Leonards	2·7	+0·9	32	4	22	37·7	—	44·9	—
p Southampton	64	49	19, 21	26	18th	45·1	33·6	39·6	- 0·6	5	2·42	61	+47	Southampton	1·5	- 0·1	18	4	15	—	—	—	—
a Ventnor	59	49	21st	33	18th	46·4	37·4	42·1	+0·3	5	1·85	47	+33	Ventnor	2·2	+0·5	26	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	47	19, 21	27	18th	42·2	35·0	38·7	- 0·3	5	1·13	29	+19	Richmond	1·6	+0·3	19	4	19	36·7	- 2·5	45·0	+1·1
a Westminster	27	49	21st	26	18th	44·4	32·9	38·9	- 0·8	6	1·35	34	+25	Westminster	1·3	+0·7	15	5	21	—	—	—	—
ag Greenwich	149	48	21st	25	18th	43·3	31·6	37·7	- 1·0	5	1·42	36	+27	Greenwich	1·4	+0·2	16	6	17	—	—	—	—
a Hampstead	450	47	21st	27	18th	41·0	33·3	37·3	—	5	1·42	36	—	Hampstead	1·5	—	18	4	17	—	—	—	—
ag Camden Square	110	48	21st	24	18th	43·3	31·3	37·5	- 1·4	5	1·51	38	+28	Camden Square	—	—	—	4	21	37·7	—	44·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	47	21st	21	17th	38·0	28·7	33·5	- 4·8	6	0·43	11	- 5	Aspatria	2·0	+0·5	26	6	19	37·0	- 2·0	43·1	+0·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	44	20th	20	18th	39·1	29·1	34·3	- 3·7	7	1·26	32	+ 9	Stonyhurst	1·2	+0·2	16	6	16	—	—	—	—
h Blackpool	66	46	21st	26	18th	39·9	31·0	35·6	- 3·3	6	1·79	45	+31	Blackpool	1·4	- 0·2	17	5	17	38·6	—	45·4	—
h Southport	37	46	21st	27	18th	38·9	30·9	35·1	- 3·8	6	1·86	47	+34	Southport	2·1	+0·5	25	4	18	34·7	- 2·7	41·2	+0·4
														Hoylake	2·1	+0·4	26	—	—	—	—	—	—
t Liverpool (Bidston)	188	46	21st	31	15, 18	41·4	33·0	37·4	- 2·2	5	1·11	28	+17	Liverpool	2·4	—	29	7	25	—	—	—	—
a Hawarden Bridge	22	48	21st	30	182021	42·6	31·7	37·4	- 2·7	5	1·21	31	+21	Manchester City	0·2	- 0·2	3	3	26	35·8	- 2·5	43·7	+0·8
p Manchester (Whit. Pk.)	125	47	21st	26	18th	40·1	31·7	36·1	- 3·2	6	0·90	23	+10	„ Whit. Pk.	0·9	+0·3	11	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	52	21st	31	20th	44·9	35·0	40·2	- 1·4	7	1·71	43	+29	Llandudno	2·0	+0·2	25	—	—	—	—	—	—
t Holyhead	15	51	21st	36	20th	44·9	37·9	41·5	- 0·5	6	1·94	49	+34	Holyhead	2·7	—	34	0	33	—	—	—	—
a Aberdovey	60	52	21st	35	17, 18	46·0	37·1	41·7	—	7	2·04	52	—	Aberdovey	2·1	+0·2	25	2	27	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.					°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	51	21st	32	18th	44·0	36·4	40·4	—	5	1·45	37	—	Aberystwyth	Hr. 1·9	Hr. +0·2	% 24	—	—	—	—	—	—
a Rhayader	757	47	21st	22	18th	40·3	29·3	35·0	—	7	2·69	68	—	Rhayader ..	1·5	—	18	5	15	—	—	—	—
t Pembroke	149	52	21st	37	20th	46·1	39·4	42·9	+0·1	6	1·69	43	+27	Pembroke ..	2·8	+1·2	33	—	—	—	—	—	—
p Cardiff	202	50	21st	29	20th	44·9	33·3	39·3	+0·3	5	1·50	38	+20	Cardiff ..	2·2	—	26	6	22	38·2	- 1·5	45·4	+1·4
b, ENGLAND, S.W.																							
h Bath	66	52	21st	26	18, 20	44·0	30·9	37·7	- 1·8	6	1·30	33	+21	Bath	1·8	+0·4	22	—	—	38·9	—	45·5	—
a Shaftesbury	722	49	20, 21	29	17, 18	44·0	31·9	38·2	+0·4	5	0·97	25	+12	Shaftesbury ..	—	—	—	—	—	37·4	—	44·3	—
a Arlington	613	51	20, 21	29	18th	45·4	34·0	39·9	+0·6	7	1·55	39	+15										
h Newquay	190	53	21st	33	20th	47·2	37·4	42·5	- 1·0	6	1·23	31	+16	Newquay ..	2·7	+1·0	32	—	—	44·0	—	49·2	—
a Cullompton	202	52	21st	26	18, 20	46·7	31·1	39·2	- 0·7	6	1·49	38	+22	Cullompton ..	1·9	+0·4	22	7	15	40·8	—	—	—
t Portland Bill	19	50	19th	38	17th	46·6	40·9	43·9	+1·7	5	1·44	37	+26	Weymouth ..	2·6	—	31	—	—	—	—	—	—
p Plymouth	116	53	18, 21	29	18th	48·7	36·7	42·9	+0·5	6	1·97	50	+34	Plymouth ..	3·1	+1·4	36	4	23	42·0	- 0·2	48·3	—
h Falmouth	167	53	18th	34	18, 20	48·1	36·7	42·6	- 0·9	6	2·21	56	+35	Falmouth ..	3·5	+1·7	40	3	25	42·3	—	48·4	—
9. IRELAND, N.																							
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	52	21st	34	16th	45·4	37·9	41·8	- 1·3	7	3·23	82	+56										
a, West .. *a* Mallarany ..	120	51	20th	32	16, 17, 19	44·6	34·3	39·7	—	6	2·41	61	—	Mallarany ..	2·2	—	27	5	27	—	—	—	—
p Markree Castle.. ..	122	52	21st	28	20th	42·6	31·1	37·1	- 3·0	7	1·29	33	+13	Markree Castle	2·6	+1·3	33	6	24	40·1	- 0·6	46·3	+1·8
p Armagh.. ..	204	49	21st	28	17, 20	41·9	31·3	36·8	- 3·1	5	0·98	25	+12	Armagh ..	4·6	+3·2	59	5	18	38·6	- 1·5	44·7	+1·3
b, East .. *t* Donaghadee	35	45	18, 21	29	20th	41·9	34·0	38·1	- 2·9	6	1·97	50	+37										
														Trinity Coll.	—	—	—	7	24	39·1	- 2·1	45·2	+1·0
10. IRELAND, S.														Phœnix Park	4·8	+3·0	60	6	18	—	—	—	—
p Dublin City	54	52	21st	29	17th	42·6	32·4	37·7	- 4·7	4	0·56	14	+ 2	Dublin City ..	—	—	—	5	25	—	—	—	—
t Birr Castle	175	50	21st	26	17th	42·0	31·4	36·9	- 3·5	5	1·04	26	+11	Birr Castle ..	3·9	+2·4	48	5	17	—	—	—	—
a Kilkenny	195	51	20th	26	20th	45·1	29·9	37·8	- 2·7	5	1·17	30	+13										
a Waterford	137	52	20th	30	18, 20	47·8	31·9	39·9	- 2·3	7	1·80	46	+27										
p Seskin, Carrick-on-Suir	542	49	21st	27	17th	42·0	31·1	36·8	—	7	2·16	55	—	Seskin ..	4·2	—	52	6	25	—	—	—	—
a Foynes	50	52	20th	30	20th	45·0	33·6	39·5	- 2·9	7	1·67	42	+22										
t Cahirciveen (Val. Obs.)	30	53	15th	31	20th	45·6	37·9	41·9	- 3·0	7	2·84	72	+43	Cahirciveen ..	1·7	+0·2	20	1	?30	—	—	—	—
a Killarney	174	55	21st	25	20th	48·1	31·1	39·9	- 3·3	7	2·66	68	+37	Ballinacurra	3·5	+1·7	42	—	—	—	—	—	—
t Roche's Point	32	51	18th	31	20th	45·3	35·7	40·7	- 3·3	7	1·86	47	+25										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	53	21st	35	16th	48·4	40·4	44·6	- 1·1	7	1·50	38	+23	Scilly ..	2·7	+0·9	31	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	21st	33	18th	47·0	39·0	43·2	+0·5	6	1·61	41	+27	St. Heliers ..	2·2	+0·1	25	—	—	—	—	—	—
p Guernsey† ..	173	52	21st	34	18th	48·6	39·3	44·1	+0·8	6	1·71	43	+28	Guernsey ..	2·2	+0·3	25	3	24	42·5	- 1·3	48·3	+1·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, January 21st, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.	Highest Gust. Speed.	Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d. hr.	m.p.h	m/s.	d.	h. m.
0. SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	15, 16, 18	31	14 to 20	57	73	7	0	0	150	51	23	15 9	—	—	—	— —
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	21	2	64	62	0	40	140	24	11	21 13	53	24	21	13 5
Aberdeen (Cup Anr.) ..	120	72	12	—	0	15, 16, 21	23	59	74	12	0	150	31	14	15 22	—	—	—	— —
Edinburgh	485	39	31	15	1	15, 18, 21	17	39	47	8	56	160	39	17	15 12	55	25	15	11 5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	21	4	32	58	51	23	150	31	14	21 11	47	21	21	10 55
Paisley	188	81	15	—	0	—	0	39	62	67	0	170	24	11	21 13	48	22	21	13 0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	15, 21	6	42	75	10	35	170	27	12	15 17	42	19	21	7 45
South Shields	72	61	12	—	0	15, 21	8	54	86	14	6	?170	?34	?15	?15 ?16	46	21	21	8 20
Spurn Head	67	41	‡	15	6	15 to 19, 21	49	65	40	6	2	130	44	20	15 22	61	27	15	21 15
3. ENGLAND, E.																			
Gorleston	52	42	‡	15, 16	6	15, 16, 18, 19, 21	51	39	60	5	7	170	43	19	15 24	58	26	15	23 0
Shoeburyness	103	90	‡	—	0	15, 18, 19, 21	25	77	53	13	0	—	33	15	19 11	41	18	15	22 45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	15, 21	9	59	61	39	0	160	29	13	15 18	40	18	15	18 10
																		21	8 10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	15, 18, 19	16	81	52	19	0	—	31	14	15 19	50	22	19	10 30
Larkhill, S'y Plain ..	513	63	43	—	0	15, 18, 21	14	108	45	1	0	280	32	14	15 22	43	19	15	22 15
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	40	100	28	0	210	20	9	19 11	38	17	19	11 20
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	15, 16, 18, 21	23	57	74	14	0	140	37	16	21 9	—	—	—	— —
Southport	80	62	48	—	0	15, 16, 18, 21	27	50	80	11	0	310	30	13	16 16	47	21	21	9 5
Holyhead	60	40	‡	—	0	15 to 18, 20, 21	69	66	33	0	0	140	38	17	21 8	58	26	21	9 10
8. ENGLAND, S.W.																			
Pendennis Castle ..	256	65	24	15, 18, 20, 21	15	15, 16, 18 to 21	32	66	52	3	0	200	46	21	18 9	58	26	18	9 35
Plymouth	185	88	2	18	5	15, 18, 21	22	48	73	20	0	—	40	18	18 9	51	23	18	11 45
Lyme Regis	556	61	‡	—	0	15, 18	2	22	86	14	44	—	25	11	15 12	40	18	15	11 35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	15 to 18, 20, 21	51	54	48	15	0	170	37	16	21 1	—	—	—	— —
Quilty	100	40	‡‡	—	0	15 to 18, 20, 21	41	81	42	4	0	—	35	16	15 12	58	26	21	16 15
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	15, 17, 18, 20, 21	40	79	48	1	0	150	36	16	20 19	60	27	20	19 50
Weaver Pt.	160	30	‡	18, 20	3	15, 17, 18, 20, 21	38	55	58	7	7	—	43	19	20 23	60	27	20	20 50
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	15, 20	12	15, 16, 18 to 21	25	60	40	1	30	300	47	21	15 19	—	—	—	— —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRD WEEK of 1922—January 15th to January 21st, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	47	18	39·3	31·8	35·7	− 3·2	0	− 7	44	+14	6	+1	1·30	33	− 1	0·5	− 0·3	7	996
Eastern.																			
1. SCOTLAND, EAST ..	44	8	36·0	27·7	32·0	− 5·9	0	− 6	70	+33	6	+2	0·92	23	+ 8	0·8	− 0·8	10	996
2. ENGLAND, N.E. ..	45	12	37·0	26·9	32·2	− 6·1	0	− 7	69	+35	6	+3	0·91	23	+15	0·5	− 0·9	7	1000
3. ENGLAND, EAST ..	48	16	39·3	29·4	34·5	− 3·2	0	− 6	53	+15	6	+2	1·49	38	+29	0·8	− 0·7	9	1002
4. MIDLAND COUNTIES	51	12	39·8	28·9	34·6	− 3·3	0	− 8	52	+14	6	+2	0·97	25	+15	1·3	− 0·1	16	1000
5. ENGLAND, S.E. ..	49	21	43·2	32·6	38·2	− 1·1	3	− 7	30	0	5	+2	1·64	42	+30	2·0	+0·5	24	1003
Western.																			
6. SCOTLAND, WEST ..	50	15	39·7	31·2	35·6	− 4·3	0	− 10	45	+22	7	+2	2·03	51	+25	—	—	—	997
7. ENGLAND, N.W. ..	52	20	41·3	32·3	37·0	− 2·5	0	− 8	35	+ 7	6	+2	1·30	33	+17	1·9	+0·5	23	997
8. ENGLAND, S.W. ..	53	22	45·5	34·4	40·2	− 0·8	10	− 5	22	− 1	6	+2	1·68	43	+25	2·4	+0·8	28	1000
9. IRELAND, NORTH ..	52	26	42·7	33·1	38·1	− 2·8	2	− 12	29	+ 7	6	+1	1·70	43	+25	3·6	+2·2	46	995
10. IRELAND, SOUTH ..	55	25	45·1	33·0	39·3	− 3·2	9	− 12	28	+ 9	6	+1	1·70	43	+23	3·5	+1·9	42	997
11. ENGLISH CHANNEL..	53	33	48·0	39·6	44·0	− 0·2	21	− 3	7	− 1	6	+1	1·61	41	+27	2·3	+0·3	27	1002
MEAN: DISTRICTS 1-10	55	8	41·0	31·0	36·2	− 3·3	2	− 8	43	+14	6	+2	1·43	36	+21	1·9	+0·4	23	999

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, November 27th, 1921, to January 21st, 1922.

0. SCOTLAND, NORTH ..	56	18	44·1	35·3	39·9	+ 1·1	66	+ 1	186	− 58	46	+4	13·63	346	+75	0·5	− 0·2	7	1005
Eastern.																			
1. SCOTLAND, EAST ..	58	8	43·6	34·3	39·1	+ 1·3	68	+ 9	232	− 70	40	+7	5·57	141	+ 9	1·4	+ 0·3	20	1008
2. ENGLAND, N.E. ..	58	12	45·7	35·9	41·0	+ 1·8	114	+ 41	172	− 71	33	+2	3·13	79	− 19	1·5	+ 0·3	20	1012
3. ENGLAND, EAST ..	59	16	45·8	35·4	40·8	+ 1·8	110	+ 26	180	− 82	33	0	4·18	106	+ 7	1·4	0·0	18	1014
4. MIDLAND COUNTIES	59	12	46·1	35·7	41·1	+ 2·3	115	+ 26	167	−111	34	+1	4·12	105	− 10	1·3	+ 0·1	17	1015
5. ENGLAND, S.E. ..	59	17	46·9	37·3	42·3	+ 1·5	134	+ 9	116	− 81	33	+2	4·27	108	− 20	1·5	0·0	18	1016
Western.																			
6. SCOTLAND, WEST ..	55	15	46·4	37·1	41·9	+ 1·6	123	+ 30	129	− 64	46	+8	12·17	309	+73	—	—	—	1011
7. ENGLAND, N.W. ..	58	20	47·0	38·6	42·9	+ 2·4	139	+ 40	87	−105	42	+7	7·31	186	+27	1·4	+ 0·3	18	1013
8. ENGLAND, S.W. ..	57	13	48·6	39·5	44·2	+ 1·9	187	+ 33	62	− 81	41	+4	6·04	154	− 48	1·4	− 0·1	17	1016
9. IRELAND, NORTH ..	57	22	48·4	40·1	44·4	+ 3·2	195	+ 79	63	−108	47	+6	7·88	200	+26	1·4	+ 0·2	19	1011
10. IRELAND, SOUTH ..	60	23	50·3	41·3	46·0	+ 3·2	264	+ 88	42	− 92	41	+2	6·65	168	− 32	1·5	0 0	19	1016
11. ENGLISH CHANNEL..	58	31	51·1	44·9	48·1	+ 2·4	350	+102	7	− 39	44	+3	5·48	139	− 37	1·2	− 0·6	15	1018
MEAN: DISTRICTS 1-10..	60	8	46·9	37·5	42·4	+ 2·1	145	+ 38	125	− 87	39	+4	6·13	156	+ 1	1·4	+ 0·1	18	1013

THE YEAR. Aggregates, &c., for the Period of 3 Weeks, January 1st to January 21st, 1922.

0. SCOTLAND, NORTH ..	55	18	40·7	33·0	37·0	− 1·2	0	− 18	105	+ 3	18	+3	4·02	102	+10	0·4	− 0·3	6	1003
Eastern.																			
1. SCOTLAND, EAST ..	57	8	39·2	31·1	35·3	− 1·8	0	− 16	141	+18	16	+4	2·29	58	+14	1·4	+ 0·2	20	1005
2. ENGLAND, N.E. ..	57	12	41·8	32·4	37·3	− 0·7	12	− 8	111	+ 5	14	+3	1·44	36	+ 5	1·4	+ 0·2	18	1009
3. ENGLAND, EAST ..	57	16	43·2	33·0	38·3	+ 0·7	17	− 5	96	− 22	15	+3	2·55	65	+33	1·3	− 0·2	16	1010
4. MIDLAND COUNTIES	58	12	43·1	32·9	38·2	+ 0·6	15	− 10	96	− 25	14	+2	1·86	47	+11	1·5	+ 0·2	19	1011
5. ENGLAND, S.E. ..	57	17	44·8	34·7	40·0	+ 0·8	23	− 11	65	− 28	14	+3	2·25	58	+20	1·8	+ 0·3	21	1012
Western.																			
6. SCOTLAND, WEST ..	54	15	42·7	34·2	38·6	− 0·8	12	− 14	84	+ 1	18	+4	4·75	120	+43	—	—	—	1008
7. ENGLAND, N.W. ..	58	20	43·9	36·0	40·1	+ 0·8	19	− 8	59	− 27	16	+4	2·92	74	+24	1·6	+ 0·4	21	1010
8. ENGLAND, S.W. ..	56	13	46·5	36·9	42·0	+ 1·1	43	− 3	43	− 26	16	+3	2·95	76	+16	1·7	+ 0·1	21	1013
9. IRELAND, NORTH ..	57	22	45·5	36·9	41·4	+ 1·0	35	− 3	47	− 27	18	+3	3·67	93	+34	2·2	+0·9	29	1009
10. IRELAND, SOUTH ..	60	23	47·4	37·7	42·7	+ 0·7	54	− 4	39	− 20	16	+2	2·99	75	+ 7	2·1	+0·5	26	1013
11. ENGLISH CHANNEL..	56	31	49·3	42·3	45·9	+ 1·6	89	+16	7	− 20	19	+4	2·84	72	+20	1·5	− 0·4	18	1015
MEAN: DISTRICTS 1-10 ..	60	8	43·8	34·6	39·4	+ 0·2	23	− 8	78	− 15	16	+3	2·77	70	+21	1·7	+0·3	21	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
27th January, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE LIBRARY FEB 1922

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 4.

FOURTH WEEK.

SUNDAY, JANUARY 22ND, TO SATURDAY, JANUARY 28TH, 1922.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was of a very unsettled type. The winds were mainly easterly or south-easterly and gales were experienced in several places, especially in the northern parts of the country; at Deerness (Orkneys) gales were reported on each day of the week. Rain or snow fell in most parts of the country, and thunder was heard in places. Fog was reported at a large number of stations early in the week. In London on Sunday the fog, which lasted the whole day, was very dense, while on the other hand in many parts of the east and south-east of England Sunday was the brightest day of the week, a number of stations having more than 6 hours sunshine. Amongst the largest amounts recorded were 7·4 hours at Eastbourne, 7·2 hours at St. Leonard's, and about 7·0 hours at Worthing, Tunbridge Wells, Rothamsted, Raunds (Northampton) and Cambridge. Tuesday was a bitterly cold day in most parts of England, the maximum temperature being below the freezing point in many places, in fact at Southend, Margate, Yarmouth, Raunds and Tenbury (Worcester) the temperature did not rise above 27°F. all day. During Wednesday there was a steady rise in temperature and 50°F. was reached in the course of the night; the highest readings of the week were 56°F. at Plymouth and 55°F. at Falmouth on Thursday. The lowest of the screen minima were generally recorded on Tuesday or Wednesday morning when readings only a trifle above 20°F. were registered in many parts of England. The mean daily range of temperature varied a good deal, but in some instances it was as much as 14°F. and more. Precipitation (rain or snow) was above the normal in most districts and rather large measurements were obtained in places during the latter half of the week; the heaviest falls were 24mm. at Nottingham on the 26th, 24mm. at Seskin (Carrick-on-Suir), 22mm. at Bradford and also at West Witton (N. Riding) on the 27th, and at Cahirciveen (Valencia Observatory) the total for the two days 27th and 28th was as much as 47mm. The mean amount of bright sunshine for the week was below the normal at nearly all stations and the mean departure from the normal ranged from +1·6 hours at Stornoway to —1·5 hours at Southampton, Cullompton (Devon) and Phoenix Park, Dublin, and —1·7 hours at Jersey. A solar halo was observed at Oxford on the 28th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	27	24	10·7	26	9	3·9	25	14	6·3	12	4	2·0	13	10	4·4	28	15	6·5	23	14	6·2	22	15	6·5
North	0	—	—	1	2	0·8	0	—	—	6	7	3·1	10	6	2·6	0	—	—	3	5	2·2	4	4	1·6
West	0	—	—	0	—	—	2	3	1·3	0	—	—	1	2	0·7	7	15	[illegible]	1	2	1·0	3	8	3·5
East	28	23	10·5	26	13	5·7	22	20	8·8	24	12	5·3	27	17	7·7	20	19	8·4	27	16	7·0	24	16	7·2
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	3	—	—	4	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.													
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate
Rainfall ..	Very Light	Moderate	Very Heavy	Heavy	Heavy	Heavy	Light	Light	Moderate	Moderate	Heavy	Moderate
Sunshine ..	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	—	Moderate	Scanty	Very Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 9 weeks from Nov. 27th, 1921. Warmth ..	3, 5, 1	3, 4, 2	5, 1, 3	6, 1, 2	5, 1, 3	3, 5, 1	5, 2, 2	5, 2, 2	4, 5, 0	6, 2, 1	6, 2, 1	6, 3, 0
Rainfall ..	3, 4, 2	4, 2, 3	2, 3, 4	5, 2, 2	3, 4, 2	2, 5, 2	5, 1, 3	3, 3, 3	1, 6, 2	4, 3, 2	3, 3, 3	1, 5, 3
Sunshine ..	2, 4, 3	3, 4, 2	4, 3, 2	2, 3, 4	3, 3, 3	2, 4, 3		4, 5, 0	1, 4, 4	3, 3, 3	1, 4, 4	0, 2, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	45	22nd	33	24th	40·1	36·6	38·4	− 1·5	1	0·04	1	− 28										
p Deerness, Orkney	165	47	22nd	32	25th	43·4	37·1	40·4	+1·5	2	0·07	2	− 23	Deerness	0·6	− 0·5	8	—	—	—	—	—	—
a Islands *t* Stornoway	51	49	23rd	33	25th	43·9	38·6	41·4	+2·0	4	0·06	2	− 34	Stornoway	2·6	+1·6	33	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	44	22nd	32	25th	40·7	37·4	39·1	+1·1	3	0·09	2	− 16										
a Strathpeffer	125	43	26th	30	22,23,27	3·96	31·0	35·5	− 2·0	0	0·00	0	− 22										
b, Main- *p* Glencarron	500	49	22nd	28	25th	43·4	33·3	38·6	+1·4	0	0·00	0	− 68										
land. *a* Fort Augustus	68	50	22, 23	30	24th	44·7	34·3	39·7	+1·9	1	0·09	2	− 35										
p Fort William	171	49	22, 23	31	24th	45·3	36·3	41·0	+2·0	3	0·14	4	− 62										
1. SCOTLAND, E.																							
t Nairn	82	44	22nd	29	25th	40·3	34·6	37·6	− 0·1	1	0·01	3	− 11	Nairn	1·7	—	22	—	—	—	—	—	—
p Gordon Castle	101	45	22nd	29	25th	32·4	34·0	36·8	− 1·8	5	0·50	13	+ 2	Gordon Castle	0·8	—	10	—	—	—	—	—	—
t Aberdeen	46	44	22nd	31	25th	39·6	36·6	38·2	− 0·3	5	0·50	13	+ 1	Aberdeen	0·6	− 1·2	8	1	29	—	—	40·1	+0·5
a Balmoral	930	44	22nd	24	25th	36·0	29·9	33·1	− 1·6	6	1·09	28	+13	Balmoral	—	—	—	5	25	—	—	—	—
p Crieff	432	41	22nd	25	25th	38·0	30·3	34·3	− 3·3	5	1·25	32	+10	Crathes	0·7	− 1·3	9	2	27	35·3	—	38·9	—
a Dundee	244	42	22, 28	24	22nd	39·4	29·7	34·7	− 2·8	7	1·02	26	+15	Dundee	0·6	—	8	4	21	33·6	—	—	—
														Inchkeith (F. of Forth)	—	—	—	1	26	—	—	—	—
t Inchkeith (F. of Forth)	190	47	22nd	28	25th	39·6	35·0	37·4	—	4	0·17	4	—										
p Edinburgh	441	46	22nd	26	24, 25	38·7	31·7	35·3	− 3·1	4	0·15	4	− 6	Edinburgh	0·7	− 1·2	8	2	26	—	—	—	—
a West Linton	769	43	22nd	24	25th	39·1	28·9	34·2	− 0·6	6	0·71	18	—	West Linton	—	—	—	7	20	—	—	—	—
a Marchmont	498	45	22nd	24	25th	37·6	29·6	33·8	− 3·2	6	0·74	19	+ 6	Marchmont	0·7	− 0·9	8	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	47	22, 23	28	25th	43·0	34·2	38·8	—	4	0·55	14	—	Ford (Argyll)	—	—	—	3	23	36·7	—	41·4	—
t Renfrew	49	45	22nd	28	25th	39·9	33·9	37·0	—	4	0·70	18	—	Renfrew	0·7	—	9	1	25	—	—	—	—
p Rothesay	200	45	22, 23	28	25th	41·4	34·4	38·0	− 2·0	4	0·74	19	− 7	Rothesay	0·5	—	6	2	25	37·7	—	42·0	+0·1
a Kilmarnock	90	46	22nd	27	25th	41·9	33·4	37·8	− 0·4	3	0·19	5	− 15	Kilmarnock	1·5	—	19	—	—	36·9	—	42·5	—
a Colmonell	170	46	22, 26	25	25th	41·7	32·7	37·4	− 1·8	3	0·39	10	− 15	Colmonell	—	—	—	3	23	—	—	—	—
p Dumfries	160	45	22nd	25	25th	39·4	31·7	35·7	− 2·9	4	0·50	13	− 5	Dumfries	1·0	—	13	3	23	35·5	− 1·8	40·5	+0·2
t Eskdalemuir	794	45	22nd	23	25th	36·7	31·1	34·0	—	4	0·69	17	—	Eskdalemuir	0·3	—	4	4	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	48	22nd	28	25th	42·1	35·1	38·7	− 2·4	4	0·47	12	− 8	Douglas	0·5	− 1·2	6	2	27	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	46	22nd	28	25th	40·6	31·6	36·3	− 2·0	6	1·62	41	+30	Cockle Park	0·7	− 1·2	8	3	26	35·4	0·7	39·4	0·1
t Tynemouth	118	46	23rd	29	25th	40·4	34·3	37·5	− 1·4	5	0·73	19	+11										
p Durham	336	40	22, 28	25	24, 25	37·3	29·1	33·4	− 4·1	6	1·40	36	+28	Durham	0·7	− 1·0	8	4	22	—	—	—	—
a North *p* Rounton	249	43	22nd	22	24th	39·0	29·0	34·2	− 3·2	6	1·28	33	+25	Rounton	—	—	—	5	20	35·6	—	—	—
a West Witton	605	45	22nd	22	25th	35·9	28·3	32·3	—	7	2·16	55	—	West Witton	—	—	—	7	20	34·3	—	40·3	—
h Scarborough	118	46	22nd	29	25th	39·1	33·6	36·5	− 2·6	5	0·73	19	+ 9	Scarborough †	0·8	− 0·8	10	—	—	—	—	40·1	—
p York	56	42	22, 28	26	25th	39·0	31·7	35·5	− 2·9	6	1·46	37	+28	York	0·3	− 0·9	4	—	—	37·2	− 1·0	42·0	+0·3
t Spurn Head	26	44	22nd	27	25th	39·4	33·1	36·4	− 2·4	5	0·70	18	+11	Spurn Head	0·9	—	11	—	—	—	—	—	—
b, South *a* Lincoln	58	48	28th	25	25th	40·7	31·3	36·2	− 1·5	6	0·86	22	+14	Lincoln	—	—	—	2	24	36·0	− 0·8	41·5	+0·2
t Cranwell	237	52	28th	24	25th	39·7	31·3	35·7	− 2·0	6	1·28	33	+25	Cranwell	1·4	− 0·5	16	3	23	—	—	—	—
														Skegness	0·9	− 1·1	11	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	48	22nd	23	24, 25	40·0	30·0	35·2	− 3·2	6	0·28	7	− 1	Cromer	1·0	− 1·2	12	—	—	—	—	—	—
a Little Massingham	277	48	22nd	23	25th	40·0	31·0	35·7	− 1·3	6	0·94	24	+13	Lit Massingham	1·0	− 0·9	12	—	—	—	—	—	—
t Yarmouth	13	45	28th	25	24th	38·4	33·7	36·1	− 2·1	5	0·78	20	+11	Yarmouth	0·7	—	8	2	25	38·7	+0·2	42·3	− 0·9
a Norwich	93	48	28th	24	25th	40·1	30·9	35·7	− 2·3	5	0·69	18	+ 8	Norwich	0·6	—	7	5	23	35·4	—	—	—
a Geldeston	37	50	28th	22	25th	42·1	29·6	36·1	− 2·5	4	0·53	14	+ 5	Geldeston	1·0	− 1·1	12	—	—	—	—	—	—
p Cambridge	41	52	22nd	25	25th	42·9	32·1	37·7	− 0·6	6	0·67	17	+ 9	Cambridge	1·3	− 0·8	16	4	23	38·5	+0·3	43·2	+0·6
t Clacton-on-Sea	54	46	22nd	27	25th	39·7	35·0	37·4	− 0·9	4	0·72	18	+11	Clacton-on-Sea	1·2	− 1·1	13	2	26	38·8	− 0·6	43·7	0·0
a Rothamsted	420	50	22nd	22	25th	43·0	31·0	37·2	− 0·6	6	0·71	18	+ 7	Rothamsted	1·3	− 0·7	16	4	22	37·5	—	—	—
p Tottenham	51	50	28th	25	24th	42·6	35·9	39·4	—	6	0·94	24	—	Tottenham	0·1	—	1	—	—	—	—	43·2	− 0·5
														Southend	1·0	—	12	2	25	38·6	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	47	22nd	21	25th	36·6	29·4	33·1	− 4·4	7	1·80	46	+33	Harrogate	0·7	− 1·1	9	4	20	36·1	− 1·7	39·8	− 0·3
a North Sheffield	429	48	22nd	24	24, 25	39·6	30·4	35·2	—	7	1·98	50	—	Sheffield	0·3	− 1·2	4	3	23	35·0	− 2·4	40·5	− 1·1
p Buxton	987	41	22nd	21	25th	36·1	27·9	32·2	− 3·8	6	1·07	27	+ 3	Buxton	0·3	—	4	6	20	34·4	− 2·2	40·8	− 1·0
a Worksop	56	48	28th	25	25th	40·1	30·0	35·3	− 3·1	6	1·27	32	+22	Worksop	0·6	− 0·8	7	5	20	36·3	—	40·7	—
t Nottingham	82	49	28th	24	25th	37·4	30·7	34·2	− 4·2	6	1·53	39	+29	Nottingham	0·6	− 0·7	7	4	25	34·4	− 3·3	38·0	− 1·9
b, East *p* Birmingham, Edgbsn.	525	50	22nd	22	24, 25	42·7	31·7	37·4	− 1·2	6	1·01	26	+15	Birmingham	1·4	+0·1	16	3	21	37·9	− 1·4	44·7	+0·6
a Raunds	213	53	22nd	25	25th	43·9	31·4	37·9	+0·3	5	0·79	20	+11	Raunds	1·5	—	17	4	22	37·9	—	—	—
p Oxford	208	50	26, 28	23	24th	44·9	33·1	39·2	0·0	6	0·64	16	+ 6	Oxford	1·3	− 0·5	15	4	23	—	—	—	—
														Malvern	1·7	—	20	4	23	37·3	—	41·9	—
a Cheadle (N. Staffs.)	646	46	28th	22	25th	39·1	28·4	34·0	− 3·3	6	1·22	31	+17	Cheadle	—	—	—	7	19	—	—	—	—
c, West *p* Tenbury	313	48	28th	22	25th	42·6	30·4	36·7	− 2·7	6	1·03	26	+17	Tenbury	—	—	—	5	23	37·4	—	—	—
a Hereford	291	47	26, 28	22	25th	42·1	31·0	36·8	− 2·0	5	1·33	34	+22	Ross on Wye	1·6	—	18	3	23	37·4	—	42·5	—
a Clifton	225	49	25, 28	24	26, 28	45·3	27·9	37·0	− 3·3	5	0·86	22	+ 7	Clifton	0·7	—	8	6	23	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	50	26th	23	25th	44·1	31·9	38·2	+0·4	7	0·98	25	+11	Worthing	2·0	− 0·3	23	4	25	41·0	+1·3	44·8	+0·5
a Porton	340	50	26, 28	23	25th	44·9	32·4	38·9	—	6	1·07	27	—	Marlborough	0·4	− 1·2	5	3	23	39·9	—	44·9	—
a Wisley, Surrey	150	51	26, 28	25	25th	45·9	33·1	39·8	+1·3	6	0·80	20	+10	Porton	—	—	—	—	—	39·6	—	—	—
h Tunbridge Wells	354	51	22nd	23	25th	43·1	34·9	39·2	+1·1	6	0·98	25	+11	Wisley, Surrey	1·3	− 0·6	15	4	22	39·4	+0·6	43·1	+0·2
h Margate	51	44	28th	25	24, 25	39·0	34·6	36·9	− 2·7	5	0·55	14	+ 5	Tunbridge Wells	1·1	− 0·8	12	4	24	40·5	—	43·6	—
														Margate	0·6	− 1·3	7	2	22	39·3	− 0·8	43·2	− 0·1
t Dungeness	21	50	26th	25	25th	43·3	37·6	40·6	+1·1	5	0·69	18	+ 8	Folkestone	0·7	—	8	5	18	—	—	47·4	—
h St. Leonards	178	51	22, 26	25	25th	44·0	37·7	41·0	+1·2	6	0·87	22	+ 9	St. Leonards	1·7	− 0·5	20	2	24	40·6	—	44·0	—
p Southampton	64	51	28th	25	24, 25	46·0	35·0	40·7	+0·3	5	1·26	32	+17	Southampton	0·4	− 1·5	5	4	26	—	—	—	—
a Ventnor	59	51	22, 26	28	25th	48·0	39·3	43·8	+2·0	7	1·11	28	+14	Ventnor	1·0	− 1·2	11	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	51	28th	27	25th	44·3	36·1	40·4	+1·2	5	0·68	17	+ 7	Richmond	1·0	− 0·5	12	2	27	39·0	+0·4	44·4	+0·9
a Westminster	27	52	28th	25	25th	45·1	32·4	39·0	− 0·9	6	0·64	16	+ 7	Westminster	0·5	− 0·3	6	4	25	—	—	—	—
ag Greenwich	149	52	28th	24	25th	44·0	32·9	38·7	− 0·2	6	0·55	14	+ 4	Greenwich	1·0	− 0·4	12	4	26	—	—	—	—
a Hampstead	450	49	28th	21	24th	43·7	32·7	38·4	—	4	0·79	20	—	Hampstead	0·8	—	10	5	20	—	—	—	—
ag Camden Square	110	51	28th	24	25th	43·6	33·4	38·7	− 0·4	6	0·80	20	+10	Camden Square	—	—	—	3	24	39·3	—	43·6	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	45	22, 26	22	25th	40·9	30·9	36·1	− 2·4	4	0·73	19	0	Aspatria	1·8	+0·1	22	3	19	37·1	− 1·8	42·3	− 0·2
p Newton Rigg	559	44	22nd	23	24, 25	38·6	29·9	34·4	− 2·9	5	0·41	10	− 10	Newton Rigg	0·9	− 0·7	11	5	18	—	—	—	—
p Stonyhurst	375	43	22, 28	26	25th	39·9	31·1	35·7	− 2·5	4	0·45	11	− 14	Stonyhurst	0·8	− 0·6	9	4	24	—	—	—	—
h Blackpool	66	47	28th	25	25th	39·9	33·1	36·6	− 2·5	4	0·32	8	− 8	Blackpool	0·9	− 1·0	11	3	21	38·2	—	44·2	—
h Southport	37	49	28th	25	25th	40·4	33·0	36·9	− 2·3	4	0·30	8	− 7	Southport	1·3	− 0·5	16	3	22	35·1	− 1·9	39·6	− 0·8
														Hoylake	1·4	− 0·6	17	—	—	—	—	—	—
t Liverpool (Bidston)	188	48	28th	25	25th	41·3	33·3	37·5	− 2·3	4	0·57	15	+ 3	Liverpool	1·4	—	17	3	22	—	—	—	—
a Hawarden Bridge	22	50	28th	25	25th	43·1	32·7	38·1	− 2·2	4	0·81	21	+10	Manchester City	0·6	− 0·1	7	2	25	35·6	− 2·3	42·4	− 0·1
p Manchester (Whit. Pk.)	125	50	29th	26	24, 25	42·6	33·0	38·0	− 1·7	4	0·32	8	− 6	„ Whit. Pk.	1·2	+0·4	14	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	51	28th	24	25th	42·9	34·1	38·7	− 3·1	3	0·10	3	− 12	Llandudno	1·1	− 1·0	14	—	—	—	—	—	—
t Holyhead	15	49	22,26,28	26	25th	44·3	36·4	40·5	− 1·5	3	0·13	3	− 14	Holyhead	2·4	—	28	1	25	—	—	—	—
a Aberdovey	60	52	28th	24	25th	46·1	35·0	40·8	—	3	0·24	6	—	Aberdovey	1·6	− 0·6	19	2	22	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	51	26, 28	24	25th	46·4	36·6	41·7	—	3	0·37	9	—	Aberystwyth	1·5	- 0·4	18	—	—	—	—	—	—
a Rhayader	757	47	28th	20	25th	41·9	31·0	36·7	—	5	0·76	19	—	Rhayader ..	0·4	—	5	2	20	—	—	—	—
t Pembroke	149	50	22, 26	26	25th	45·7	39·9	42·9	+0·1	4	1·25	32	+13	Pembroke ..	0·9	- 0·9	11	—	—	—	—	—	—
p Cardiff	202	49	28th	23	24th	44·0	33·0	38·7	- 0·7	4	0·97	25	+ 3	Cardiff ..	0·8	—	9	4	23	38·5	- 0·9	44·2	+0·7
b, ENGLAND, S.W.																							
h Bath	66	51	28th	25	25th	44·9	34·7	40·0	+0·2	6	0·91	23	+ 9	Bath	0·4	- 1·3	5	—	—	39·7	—	44·3	—
a Shaftesbury	722	49	26th	21	25th	43·6	33·9	38·9	+0·8	6	1·02	26	+10	Shaftesbury ..	—	—	—	—	—	39·9	—	43·4	—
a Arlington	613	52	26th	22	25th	46·1	35·5	41·0	+1·5	3	0·53	13	- 15										
h Newquay	190	54	26th	30	25th	48·8	39·9	44·5	+1·0	4	0·77	20	+ 2	Newquay ..	1·5	- 0·5	17	—	—	44·9	—	48·5	—
a Cullompton	202	52	22nd	26	25th	47·6	33·6	40·9	+0·7	5	0·96	25	+ 6	Cullompton ..	0·1	- 1·5	2	5	23	41·3	—	—	—
t Portland Bill	19	52	26th	30	25th	48·7	40·1	44·6	+2·3	5	0·72	18	+ 5	Weymouth ..	1·1	—	12	—	—	—	—	—	—
p Plymouth	116	56	26th	30	24, 25	49·9	38·7	44·5	+1·9	5	1·13	29	+ 9	Plymouth ..	1·1	- 0·8	13	2	30	43·1	+1·4	47·2	—
h Falmouth	167	55	26th	36	25th	49·7	42·6	46·3	+2·7	6	0·88	22	- 3	Falmouth ..	1·3	- 0·7	15	0	34	45·0	—	47·8	—
9. IRELAND, N.																							
t Malin Head	71	48	22nd	31	25th	43·9	39·3	41·7	+0·1	4	0·37	9	- 6	Malin Head ..	0·5	—	6	—	—	—	—	—	—
t Blacksod Point ..	10	53	22nd	30	25th	46·9	40·1	43·6	+0·4	4	0·63	16	- 13										
a, West .. a Mallarany	120	51	22nd	29	26th	46·0	38·1	42·2	—	4	0·43	11	—	Mallarany ..	0·1	—	2	2	26	—	—	—	—
p Markree Castle.. ..	122	50	22, 23, 26	29	25th	47·1	36·9	42·2	+1·7	3	0·47	12	- 11	Markree Castle	0·3	- 1·3	3	1	26	41·3	+0·8	45·1	+1·0
p Armagh..	204	49	22nd	29	24, 25	45·3	36·0	40·8	+0·5	4	0·52	13	- 2	Armagh ..	0·3	- 1·3	3	1	28	39·9	0·0	43·7	+0·5
b, East .. t Donaghadee	35	49	22nd	30	25th	44·3	38·0	41·3	0·0	4	0·51	13	- 2										
														Trinity Coll.	—	—	—	1	30	40·8	- 0·1	44·0	+0·1
														Phœnix Park	0·5	- 1·5	6	2	28	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	51	22, 23, 28	31	24, 25	47·7	38·3	43·2	+0·9	5	0·74	19	+ 7	Dublin City ..	—	—	—	2	29	—	—	—	—
t Birr Castle	175	53	26th	28	25th	46·9	39·1	43·2	+2·8	4	0·94	24	+10	Birr Castle ..	1·2	- 0·6	14	1	27	—	—	—	—
a Kilkenny	195	54	26th	30	25th	47·7	38·3	43·2	+2·6	4	0·67	17	+ 1										
a Waterford	137	53	26th	29	25th	49·6	37·9	44·0	+1·8	5	1·20	31	+12										
p Seskin, Carrick-on-Suir	542	51	26th	27	24, 25	46·9	37·1	42·2	—	6	1·60	41	—	Seskin ..	1·1	—	13	1	27	—	—	—	—
a Foynes	50	53	26th	33	26th	48·4	40·1	44·4	+2·1	6	0·71	18	- 2										
t Cahirciveen (Val. Obs.)	30	53	22, 23	32	25th	49·9	43·3	46·7	+2·0	6	2·29	58	+29	Cahirciveen ..	1·0	- 0·7	12	0	32	—	—	—	—
a Killarney	174	53	22nd	30	25th	50·1	42·1	46·3	+3·2	6	2·03	52	+21	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	52	23rd	33	25th	49·1	44·0	46·7	+2·9	5	1·75	44	+22										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	25, 26	41	25th	51·0	45·7	48·5	+2·8	6	0·53	13	- 3	Scilly ..	1·9	- 0·2	22	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	25th	36	25th	47·9	41·0	44·6	+1·6	4	0·55	14	- 2	St. Heliers ..	0·7	- 1·7	8	—	—	—	—	—	—
p Guernsey† ..	173	54	25th	37	24th	49·6	41·6	45·8	+2·3	4	0·79	20	+ 3	Guernsey ..	0·8	- 1·3	9	0	31	44·0	+0·9	47·2	+0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, January 28th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	m/s.	Mid Time. d.	h.	Highest Gust. Speed. m.p.h	m/s.	Time. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
**Deerness (Cup Anr.) ..	188	16	5	21, 23, 25 to 27	40	21 to 27	119	9	0	0	0	140	50	22	26	9	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	120	40	0	8	—	24	11	26	4	47	21	26	2	55
Aberdeen (Cup Anr.) ..	120	72	12	—	0	23 to 28	52	92	23	1	0	140	36	16	25	24	—	—	—	—	—
Edinburgh	485	39	31	—	0	23 to 26	5	113	50	0	0	150	28	13	26	6	42	19	26	0	40
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	24 to 28	19	88	37	24	0	80	30	13	25	22	54	24	23	20	25
Paisley	188	81	15	—	0	—	0	122	45	1	0	80	21	10	27	15	49	22	24	7	5
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	25, 26	11	114	28	9	6	?120	27	12	25	22	46	21	26	0	40
South Shields	72	61	12	25	1	23 to 28	98	33	32	4	0	150	39	17	25	23	53	24	25	23	25
Spurn Head	67	41	‡	25	3	23 to 28	104	35	23	3	0	110	40	18	25	20	51	23	25	20	55
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	23 to 28	84	49	21	14	0	140	35	16	25	20	46	20	25	17	5
Shoeburyness	103	90	‡	—	0	24	1	89	51	24	3	—	25	11	24	10	33	15	24	9	45
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	25, 27	10	85	44	29	0	110	33	15	25	16	45	20	25	15	45
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	71	82	15	0	—	24	11	25	15	40	18	25	14	30
Larkhill, S'y Plain ..	513	63	43	—	0	24, 25, 27	11	80	77	0	0	70 / 130	27	12	24 13 / 27 18		40	18	25	18	35
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	84	58	26	0	90	24	11	24	9	38	17	23 / 24	19 / 8	0 / 55
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	25, 27	16	120	32	0	0	110	29	13	25	14	—	—	—	—	—
Southport	80	62	48	—	0	23 to 25, 27	35	106	27	0	0	100	32	14	25	18	47	21	24	11	50
Holyhead	60	40	‡	24	1	23 to 25, 27, 28	54	74	34	1	4	70	40	18	24	20	56	25	24	19	50
8. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	23 to 25, 27	42	22, 23, 25 to 28	66	48	11	1	0	80	56	25	24	17	69	31	24	17	5
Plymouth	185	88	2	—	0	24, 25, 27, 28	27	104	27	10	0	—	32	14	27	15	56	25	24	21	45
Lyme Regis	556	61	‡	—	0	27	4	37	61	17	49	—	30	13	27	17	44	20	27	16	35
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	27	1	22 to 28	66	83	18	0	0	80	39	17	27	21	—	—	—	—	—
Quilty	100	40	‡‡	—	0	22 to 28	62	99	7	0	0	—	30	13	27	16	48	21	27	15	45
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	22 to 28	58	98	11	1	0	150	36	16	23	4	63	28	23	0	25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	24, 25, 27	18	22 to 28	69	47	34	0	0	100	49	22	24	19	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡Standard mounting. §Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTH WEEK of 1922—January 22nd to January 28th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	50	28	42·5	35·4	39·1	+ 0·8	1	− 7	22	− 13	2	− 3	0·06	2	− 38	1·6	+0·6	20	1013
Eastern.																			
1. SCOTLAND, EAST ..	47	24	38·7	32·4	35·7	− 1·8	0	− 9	44	+ 4	5	+1	0·62	16	+ 2	0·8	− 0·8	11	1014
2. ENGLAND, N.E. ..	52	22	39·5	31·7	35·7	− 2·7	0	− 10	44	+ 9	6	+3	1·12	29	+20	0·8	− 0·8	10	1012
3. ENGLAND, EAST ..	52	22	41·0	32·1	36·7	− 1·6	0	− 9	37	0	5	+1	0·70	18	+ 9	1·0	− 1·1	11	1012
4. MIDLAND COUNTIES	53	21	41·5	30·4	36·2	− 2·3	0	− 11	41	+ 3	6	+2	1·15	29	+17	0·9	− 0·8	10	1009
5. ENGLAND, S.E. ..	51	23	44·3	35·3	40·0	+ 0·5	6	− 5	20	− 8	6	+2	0·90	23	+11	1·0	− 0·9	12	1009
Western.																			
6. SCOTLAND, WEST ..	48	25	41·3	33·6	37·6	− 2·0	0	− 12	31	+ 4	4	− 1	0·51	13	− 13	—	—	—	1011
7. ENGLAND, N.W. ..	51	22	41·5	32·7	37·3	− 2·4	0	− 10	33	+ 5	4	0	0·43	11	− 7	1·3	− 0·4	15	1007
8. ENGLAND, S.W. ..	56	20	46·2	36·3	41·5	+ 0·4	12	− 3	15	− 6	5	+1	0·91	23	+ 2	0·9	− 0·9	11	1004
9. IRELAND, NORTH ..	53	28	45·7	38·2	42·1	+ 0·9	11	− 2	11	− 12	4	− 1	0·58	15	− 5	0·3	− 1·3	3	1003
10. IRELAND, SOUTH ..	54	28	48·7	40·4	44·7	+ 2·3	23	+ 3	4	− 13	5	0	1·29	33	+13	0·9	− 0·9	11	998
11. ENGLISH CHANNEL..	54	36	49·5	42·8	46·3	+ 2·0	30	+ 6	0	− 8	5	0	0·62	16	0	1·2	− 1·1	13	1003
MEAN: DISTRICTS 1-10	56	20	42·8	34·3	38·8	− 0·9	5	− 7	28	− 1	5	+1	0·82	21	+ 5	0·9	− 0·9	10	1008

THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, November 27th, 1921, to January 28th, 1922.

0. SCOTLAND, NORTH ..	56	18	43·9	35·3	39·8	+ 1·0	67	− 6	208	− 71	48	+1	13·69	348	+37	0·6	− 0·1	9	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	8	43·0	34·1	38·7	+ 0·9	68	0	276	− 66	45	+8	6·19	157	+11	1·3	+ 0·1	19	1008
2. ENGLAND, N.E. ..	58	12	45·0	35·4	40·4	+ 1·4	114	+ 31	216	− 62	39	+5	4·25	108	+ 1	1·5	+ 0·2	19	1012
3. ENGLAND, EAST ..	59	16	45·2	35·1	40·3	+ 1·5	110	+ 17	217	− 82	38	+1	4·88	124	+16	1·4	− 0·1	17	1014
4. MIDLAND COUNTIES	59	12	45·6	35·1	40·6	+ 1·9	115	+ 15	208	−108	40	+3	5·27	134	+ 7	1·2	− 0·1	16	1014
5. ENGLAND, S.E. ..	59	17	46·6	37·1	42·1	+ 1·5	140	+ 4	136	− 89	39	+4	5·17	131	− 9	1·4	− 0·1	17	1015
Western.																			
6. SCOTLAND, WEST ..	55	15	45·8	36·7	41·4	+ 1·3	123	+ 18	160	− 60	50	+7	12·68	322	+60	—	—	—	1011
7. ENGLAND, N.W. ..	58	20	46·4	37·9	42·3	+ 2·0	139	+ 30	120	−100	46	+7	7·74	197	+20	1·4	+ 0·2	18	1013
8. ENGLAND, S.W. ..	57	13	48·3	39·1	43·9	+ 1·8	199	+ 30	77	− 87	46	+5	6·95	177	− 46	1·3	− 0·2	16	1015
9. IRELAND, NORTH ..	57	22	48·1	39·9	44·1	+ 2·9	206	+ 77	74	−120	51	+5	8·46	215	+21	1·3	0·0	17	1010
10. IRELAND, SOUTH ..	60	23	50·1	41·2	45·8	+ 3·2	287	+ 91	46	−105	46	+2	7·94	201	− 19	1·4	− 0·2	18	1014
11. ENGLISH CHANNEL..	58	31	50·9	44·7	47·9	+ 2·4	380	+108	7	− 47	49	+3	6·10	155	− 37	1·2	− 0·7	14	1016
MEAN: DISTRICTS 1-10..	60	8	46·4	37·2	42·6	+ 1·8	150	+ 31	153	− 88	44	+5	6·95	177	+ 6	1·4	0·0	17	1013

THE YEAR. Aggregates, &c., for the Period of 4 Weeks, January 1st to January 28th, 1922.

0. SCOTLAND, NORTH ..	55	18	41·2	33·6	37·5	− 0·7	1	− 25	127	− 10	20	0	4·08	104	− 28	0·7	− 0·1	10	1006
Eastern.																			
1. SCOTLAND, EAST ..	57	8	39·1	31·4	35·4	− 1·8	0	− 25	185	+22	21	+5	2·91	74	+16	1·3	0·0	18	1008
2. ENGLAND, N.E. ..	57	12	41·2	32·2	36·9	− 1·2	12	− 18	155	+14	20	+6	2·56	65	+25	1·2	− 0·1	16	1010
3. ENGLAND, EAST ..	57	16	42·7	32·8	37·9	+ 0·1	17	− 14	133	− 22	20	+4	3·25	83	+42	1·2	− 0·4	15	1011
4. MIDLAND COUNTIES	58	12	42·7	32·3	37·7	− 0·1	15	− 21	137	− 22	20	+4	3·01	76	+28	1·3	− 0·1	17	1010
5. ENGLAND, S.E. ..	57	17	44·7	34·9	40·0	+ 0·7	29	− 16	85	− 36	20	+5	3·15	81	+31	1·6	0·0	19	1011
Western.																			
6. SCOTLAND, WEST ..	54	15	42·4	34·0	38·4	− 0·8	12	− 26	115	+ 5	22	+3	5·26	133	+30	—	—	—	1009
7. ENGLAND, N.W. ..	58	20	43·3	35·2	39·4	0·9	19	− 18	92	− 22	20	+4	3·35	85	+17	1·5	+ 0·2	19	1009
8. ENGLAND, S.W. ..	56	13	46·5	36·8	41·9	+ 0·9	55	− 6	58	− 32	21	+4	3·86	99	+18	1·5	− 0·1	18	1011
9. IRELAND, NORTH ..	57	22	45·5	37·2	41·6	+ 1·6	46	− 5	58	− 39	22	+2	4·25	108	+29	1·7	+ 0·3	22	1008
10. IRELAND, SOUTH ..	60	23	47·7	38·4	43·2	+ 1·1	77	− 1	43	− 33	21	+2	4·28	108	+20	1·8	+ 0·2	22	1009
11. ENGLISH CHANNEL..	56	31	49·3	42·4	46·0	+ 1·7	119	+22	7	− 28	24	+4	3·46	88	+20	1·4	− 0·6	17	1012
MEAN: DISTRICTS 1-10 ..	60	8	43·6	34·5	39·2	0·0	58	− 15	106	− 17	21	+4	3·59	91	+26	1·5	0·0	18	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
3rd February, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
11 FEB 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 5.

FIFTH WEEK.

SUNDAY, JANUARY 29TH, TO SATURDAY, FEBRUARY 4TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was generally dull and unsettled. Rain and snow fell in most places, and hail was reported at one or two stations. Thunderstorms occurred in several parts of the country during the week. A "line squall" passed over London and the southern parts of England on Thursday afternoon accompanied by thunder and lightning. Strong westerly and south-westerly winds prevailed during the latter part of the week reaching gale force at a number of stations. The most sunny day of the period was Wednesday when several places registered between 6 and 8 hours of bright sunshine. Amongst the largest amounts were 7·5 hours at Hoylake, 7·3 hours at Liverpool and Armagh, and about 7·0 hours at Dumfries, Blackpool, Southport, Malvern, Clifton (Gloucester), Cranwell and Pembroke. Maximum temperatures of about 55°F. were registered on Thursday and Friday, but in many parts of England Saturday was very cold, the temperature at several stations failing to rise above the freezing point. There were no exceptionally low screen minimum temperatures recorded, the lowest being 24°F. at Balmoral. Ground frosts were frequent, many stations registering readings below 25°F. The mean temperature for the week was above the normal in all districts. Precipitation (rain or snow) was in excess of the normal in all districts with the exception of Scotland N. Amongst the largest amounts recorded were 21mm. at Cullompton (Devon) on January 30th, and 24mm. at Dundee, 22mm. at Alnwick Castle, and 21mm. at Burnley on February 3rd. The total amount for the two days 2nd and 3rd was as much as 63mm. at Stonyhurst, 54mm. at Buxton and 37mm. at Little Massingham (Norfolk). The mean amount of bright sunshine was below the normal at most stations. The mean departure from the normal ranged from +1·5 hours at Birr Castle (King's County) to —2·2 hours at Cromer. Fog was reported in several places. Aurora was witnessed at Gordon Castle on February 1st and at Seskin (Carrick-on-Suir) on January the 30th and February 4th. Solar halos were observed at Ross-on-Wye on January 29th and February 1st. The observations at Oxford for the week included solar halos on January 29th and February 1st, lunar halos on January 31st and February 1st and 3rd, parhelion at 16h. 15m on February 2nd, and the Zodiacal Light on January 31st.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	28	18	8·2	24	5	2·4	20	8	3·7	17	6	2·5	22	10	4·4	14	11	5·1	23	10	4·5	20	13	5·6
North	0	—	—	0	—	—	3	5	2·3	3	5	2·1	5	4	1·8	8	15	6·9	2	7	3·0	8	10	4·3
West	3	8	3·4	3	11	4·9	11	6	2·8	15	7	3·0	15	11	5·1	25	22	9·9	19	16	7·1	20	16	7·3
East	24	20	9·1	21	7	3·3	8	17	7·6	3	6	2·6	12	4	1·9	2	6	2·7	8	4	1·7	7	6	2.8
Calm (or wind-speed < 4 m.p.h.)	0	—	—	3	—	—	2	—	—	8	—	—	0	—	—	0	—	—	1	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Light	Moderate	Very Heavy	Very Heavy	Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ..	Scanty	Scanty	Scanty	Very Scanty	Scanty	Scanty	—	Moderate	Moderate	Abundant	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. *10* weeks from Nov. 27th, 1921.	Warmth ..	3, 6, 1	3, 5, 2	5, 2, 3	6, 2, 2	5, 2, 3	4, 5, 1	5, 3, 2	5, 3, 2	5, 5, 0	7, 2, 1	7, 2, 1	7, 3, 0
	Rainfall ..	3, 4, 3	4 3, 3	3, 3, 4	6, 2, 2	4, 4, 2	3, 5, 2	6, 1, 3	4, 3, 3	2, 6, 2	5, 3, 2	4, 3, 3	2, 5, 3
	Sunshine ..	2, 4, 4	3, 4, 3	4, 3, 3	2, 3, 5	3, 3, 4	2, 4, 4	—	4, 6, 0	1, 5, 4	4, 3, 3	1, 5, 4	1, 2, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
i Lerwick	54	42	2nd	31	4th	38·6	35·9	37·3	- 0·6	6	0·92	23	- 2										
p Deerness, Orkney	165	45	29th	33	4th	42·1	36·9	39·5	+1·5	7	0·97	25	+ 3	Deerness	0·0	- 1·3	0	—	—	—	—	—	—
a Islands — *i* Stornoway	51	46	29, 1	31	2nd	44·6	38·0	41·3	+2·7	6	1·08	28	- 4	Stornoway	0·7	- 0·7	9	—	—	—	—	—	—
i Castlebay, Barra I.	37	47	29th	39	2nd	45·0	42·1	43·6	—	7	1·55	39	—	Castlebay	0·7	—	9	—	—	—	—	—	—
i Wick	81	43	29, 31	33	2, 4	41·1	37·9	39·5	+2·3	6	0·58	15	- 1										
a Strathpeffer	125	43	29, 1	27	2nd	41·9	32·0	37·0	+0·2	3	0·60	15	- 5										
b, Main- *p* Glencarron	500	45	29th	30	2nd	42·7	33·9	38·3	+1·8	6	1·55	39	- 19										
land. *a* Fort Augustus	68	47	30th	28	2nd	43·9	35·9	39·9	+2·9	6	0·42	11	- 21										
p Fort William	171	48	3rd	33	2nd	45·1	36·7	40·9	+2·7	6	1·26	32	- 25										
1. SCOTLAND, E.																							
i Nairn	82	46	29th	28	2nd	43·1	34·4	38·8	+1·3	5	0·16	4	- 8	Nairn	1·2	—	15	—	—	—	—	—	—
p Gordon Castle	101	48	1st	31	2nd	42·1	35·3	38·7	+0·2	6	0·20	5	- 8	Gordon Castle	0·6	—	7	—	—	—	—	—	—
i Aberdeen	46	44	1st	30	2nd	41·1	37·0	39·1	+0·9	6	1·31	33	+19	Aberdeen	0·4	- 1·6	4	1	22	—	—	—	—
a Balmoral	930	41	31, 1	24	2nd	38·0	31·1	34·6	+0·2	6	0·48	12	- 6	Balmoral	—	—	—	3	21	—	—	40·3	+0·9
p Crieff	432	45	31st	29	4th	40·7	33·3	37·0	- 0·6	7	1·19	30	+ 6	Crathes	0·8	- 1·4	10	2	24	37·0	—	39·1	—
a Dundee	244	46	31, 1	28	2nd	41·7	34·1	37·9	+0·5	6	1·78	45	+32	Dundee	1·1	—	18	2	23	35·9	—	—	—
i Inchkeith (F. of Forth)	190	46	31st	34	4th	41·0	37·4	39·2	—	3	0·71	18	—	Inchkeith (F. of Forth)	—	—	—	2	28	—	—	—	—
p Edinburgh	441	47	31st	30	4th	41·9	35·3	38·6	+0·4	4	0·55	14	+ 3	Edinburgh	1·6	- 0·5	19	2	27	—	—	—	—
a West Linton	769	45	31st	27	2, 3	41·6	31·1	36·4	+1·5	7	0·40	10	—	West Linton	—	—	—	6	23	—	—	—	—
a Marchmont	498	44	31, 1	30	2, 4	40·1	33·1	36·6	- 0·4	7	0·84	21	+ 7	Marchmont	—	—	—	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	45	31, 1, 2	33	2nd	43·2	37·8	40·5	—	7	1·61	41	—	Ford (Argyll)	—	—	—	3	27	38·7	—	41·2	—
i Renfrew	49	50	31st	31	30th	43·0	36·0	39·5	—	7	1·13	29	—	Renfrew	1·5	—	18	2	24	—	—	—	—
b Rothesay	200	47	31st	32	4th	43·3	36·6	40·0	+0·2	7	1·97	50	+24	Rothesay	0·8	—	10	3	28	39·1	—	42·0	+0·2
a Kilmarnock	90	49	31st	34	4th	44·9	36·7	40·8	+2·6	7	1·60	41	+21	Kilmarnock	1·3	—	16	—	—	38·7	—	42·1	—
a Colmonell	170	49	29, 31	33	2nd	46·1	37·6	41·9	+3·0	7	1·53	39	+14	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	47	1st	29	4th	42·6	33·9	38·3	- 0·2	7	0·99	25	+ 6	Dumfries	1·2	—	14	3	25	37·5	+0·1	40·0	- 0·1
i Eskdalemuir	794	43	31, 1	29	1st	40·9	33·6	37·3	—	7	0·93	24	—	Eskdalemuir	0·8	—	9	3	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	50	2nd	33	4th	46·6	39·6	43·1	+2·3	7	2·73	69	+48	Douglas	1·5	- 0·5	18	0	32	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	46	1st	31	2nd	41·4	35·9	38·7	- 0·1	7	1·76	45	+31	Cockle Park	1·0	- 1·3	12	1	25	38·4	+2·2	39·7	+0·4
i Tynemouth	118	45	1st	33	4th	42·0	38·1	40·1	+0·7	5	0·24	32	+22										
p Durham	336	44	1st	27	4th	40·7	32·6	36·7	- 1·3	6	1·02	26	+16	Durham	0·8	- 1·2	9	4	24	—	—	—	—
a North — *p* Rounton	249	46	3rd	28	4th	42·9	36·0	39·5	+1·5	6	0·91	23	+13	Rounton	—	—	—	3	23	38·0	—	—	—
a West Witton	605	46	4th	29	4th	41·7	33·7	37·7	—	7	1·51	38	—	West Witton	—	—	—	2	26	34·9	—	39·1	—
h Scarborough	118	47	1st	32	4th	41·9	36·9	39·4	- 0·3	7	0·91	23	+11	Scarborough †	0·6	- 1·4	7	—	—	—	—	40·4	—
p York	56	48	3rd	30	4th	43·7	35·7	39·7	+0·6	7	1·15	29	+18	York	0·9	- 0·7	10	—	—	39·3	+1·3	41·7	+0·4
i Spurn Head	26	47	2nd	30	4th	42·4	35·7	39·1	- 0·2	6	0·97	25	+16	Spurn Head	0·6	—	6	—	—	—	—	—	—
b, South — *a* Lincoln	58	49	3rd	30	4th	43·9	35·3	39·6	+1·0	7	1·59	40	+30	Lincoln	—	—	—	2	29	38·6	+1·8	41·2	+0·3
i Cranwell	237	49	3rd	29	4th	42·6	34·9	38·8	+0·3	6	1·20	30	+20	Cranwell	1·2	- 1·1	18	3	25	—	—	—	—
														Skegness	0·4	- 2·0	5	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	48	2nd	26	4th	43·3	34·7	39·0	+0·1	7	0·92	23	+13	Cromer	0·3	- 2·2	3	—	—	—	—	—	—
a Little Massingham	277	48	3rd	27	4th	42·9	35·0	39·0	+1·3	6	1·80	46	+33	Lit Massingham	0·6	- 1·6	6	—	—	—	—	—	—
i Yarmouth	13	49	3rd	29	4th	41·6	36·3	39·0	+0·4	5	1·36	35	+24	Yarmouth	0·6	—	7	2	28	40·6	+2·3	42·7	- 0·1
a Norwich	93	50	3rd	28	4th	44·0	36·4	40·2	+1·6	6	1·64	42	+30	Norwich	0·3	—	3	2	25	38·8	—	—	—
a Geldeston	37	51	3rd	27	4th	45·0	34·4	39·7	+0·6	6	1·19	30	+20	Geldeston	0·4	- 2·0	5	—	—	—	—	—	—
p Cambridge	41	55	3rd	29	4th	48·7	35·7	42·2	+3·3	7	0·60	15	+ 5	Cambridge	1·0	- 1·3	11	2	26	40·8	+2·8	43·4	+1·2
i Clacton-on-Sea	54	51	3rd	34	4th	43·7	38·0	40·9	+2·1	5	0·78	29	+11	Clacton-on-Sea	1·2	- 1·4	13	1	30	41·2	+2·0	43·9	+0·5
a Rothamsted	420	50	2nd	32	2, 4	45·0	36·6	40·8	+2·4	7	0·70	18	+ 4	Rothamsted	1·3	- 1·0	14	3	25	40·3	—	—	—
p Tottenham	51	53	2nd	31	4th	49·6	40·0	44·8	—	6	0·89	23	—	Tottenham	0·7	—	8	—	—	—	—	—	—
														Southend	1·5	—	17	0	33	40·9	—	43·6	+0·4
4. MIDLAND COUNTIES.																							
h Harrogate	479	46	3rd	28	4th	41·4	34·7	38·1	+0·2	7	1·62	41	+26	Harrogate	0·9	- 1·3	10	1	28	38·4	+0·7	39·7	- 0·1
a North — *p* Sheffield	429	48	2, 3	27	4th	44·4	36·0	40·2	—	6	1·17	30	—	Sheffield	0·8	- 1·1	9	2	30	37·6	+0·3	40·0	- 1·2
p Buxton	987	46	2nd	25	4th	41·7	34·4	38·1	+1·7	6	3·07	78	+51	Buxton	0·5	—	6	3	29	36·0	- 0·4	39·2	- 2·2
a Worksop	56	50	3rd	30	4th	45·1	36·0	40·6	+1·6	6	1·36	35	+24	Worksop	0·6	- 1·1	6	2	24	39·4	—	41·0	—
i Nottingham	82	51	3rd	31	4th	44·6	36·9	40·8	+1·8	6	0·77	20	+ 9	Nottingham	0·4	- 1·2	5	2	27	39·1	+2·6	38·9	- 0·6
b, East — *p* Birmingham, Edgbsn.	525	50	2nd	27	4th	46·0	36·6	41·3	+2·2	6	1·02	26	+14	Birmingham	1·2	- 0·3	13	1	26	41·1	+2·0	44·2	+0·4
a Raunds	213	54	3rd	30	4th	47·1	35·7	41·4	+3·2	7	0·64	16	+ 6	Raunds	1·0	—	11	3	27	40·7	—	—	—
p Oxford	208	55	2nd	30	4th	49·0	38·0	43·5	+3·7	6	0·84	21	+10	Oxford	1·3	- 0·9	14	1	29	—	—	—	—
														Malvern	1·5	—	17	1	30	40·4	—	41·9	—
a Cheadle (N. Staffs.)	646	48	2nd	29	4th	41·9	35·0	38·5	+0·6	5	1·43	36	+21	Cheadle	—	—	—	4	28	—	—	—	—
e, West — *p* Tenbury	313	54	2nd	31	4th	48·0	37·1	42·6	+2·8	6	1·15	29	+19	Tenbury	—	—	—	2	30	40·6	—	—	—
a Hereford	291	54	2nd	36	29, 1	46·9	39·0	43·0	+3·6	7	0·94	24	+11	Ross on Wye	1·8	—	20	0	31	41·5	—	42·8	—
a Clifton	225	54	2nd	39	29,30,1	48·0	41·0	44·5	+3·8	7	1·70	43	+26	Clifton	2·4	—	27	0	35	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	53	2nd	30	1st	48·4	37·1	42·8	+4·2	7	1·60	41	+25	Worthing	1·6	- 1·2	17	2	29	43·0	+3·4	45·0	+1·1
a Portou	340	55	2nd	27	1st	48·7	36·7	42·7	—	6	1·43	36	—	Marlborough	1·2	- 0·7	13	2	26	42·8	—	45·0	—
a Wisley, Surrey	150	53	2nd	35	1st	48·6	39·4	44·0	+4·6	7	0·81	21	+10	Porton	—	—	—	3	23	41·8	—	—	—
h Tunbridge Wells	354	52	3rd	34	1st	48·7	38·9	43·8	+4·8	6	0·58	15	0	Wisley, Surrey	1·7	- 0·3	19	3	24	42·2	+3·7	43·8	+1·3
h Margate	51	52	29,31,3	34	4th	46·1	38·6	42·4	+2·1	7	0·40	10	+ 1	Tunbridge Wells	1·3	- 0·9	14	3	24	42·9	—	44·0	—
														Margate	1·4	- 0·8	16	0	32	42·6	+2·8	43·7	+0·8
i Dungeness	21	51	3rd	32	1st	48·3	42·0	45·2	+5·0	7	0·96	24	+13	Folkestone	1·1	—	12	1	30	—	—	46·0	—
h St. Leonards	178	51	3rd	37	1st	47·9	41·9	44·9	+4·4	7	1·10	28	+14	St. Leonards	1·1	- 1·5	13	1	29	43·2	—	44·3	—
p Southampton	64	53	2, 3	31	1st	50·3	39·1	44·7	+3·4	7	1·52	39	+23	Southampton	1·4	- 1·0	15	4	25	—	—	—	—
a Ventnor	59	52	2, 3	40	1st	50·0	43·1	46·6	+4·1	7	1·33	34	+19	Ventnor	2·0	- 0·7	22	—	—	—	—	—	—
LONDON *i* Richmond (Kew Obs.)	18	52	2, 3	33	1st	49·2	40·6	44·9	+4·8	6	0·67	17	+ 7	Richmond	1·4	- 0·4	16	3	27	41·9	+3·6	44·6	+1·5
a Westminster	27	54	2nd	35	1st	49·6	40·4	45·0	+4·3	6	0·74	19	+ 9	Westminster	0·8	- 0·2	9	2	29	—	—	—	—
ag Greenwich	149	52	2, 3	35	2, 4	48·0	38·4	43·2	+3·4	6	0·73	19	+ 9	Greenwich	1·0	- 0·7	12	2	29	—	—	—	—
a Hampstead	450	51	2nd	29	4th	47·9	38·9	43·4	—	6	0·94	24	—	Hampstead	1·0	—	12	3	28	—	—	—	—
ag Camden Square	110	53	2nd	35	1st	48·4	39·1	43·8	+3·8	6	0·93	24	+13	Camden Square	—	—	—	1	30	41·9	—	43·8	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	31st	29	4th	44·3	33·6	39·0	+0·3	7	0·94	24	+ 3	Aspatria	1·1	- 0·7	13	3	28	39·0	+0·1	42·1	- 0·2
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	48	2nd	32	4th	44·9	37·0	41·0	+2·5	5	2·88	73	+48	Stonyhurst	1·1	- 0·3	13	0	31	—	—	—	—
h Blackpool	66	49	2nd	32	4th	44·1	37·6	40·9	+1·5	7	1·76	45	+29	Blackpool	1·4	- 0·5	17	2	30	40·4	—	43·7	—
h Southport	37	48	29, 2	33	4th	43·9	37·5	40·7	+1·2	7	1·49	38	+23	Southport	1·4	- 0·5	16	2	27	38·4	+1·7	39·8	- 0·2
														Hoylake	2·0	+0·1	23	—	—	—	—	—	—
i Liverpool (Bidston)	188	49	2nd	34	4th	44·0	38·4	41·2	+1·2	7	1·80	46	+34	Liverpool	1·7	—	20	0	31	—	—	—	—
a Hawarden Bridge	22	53	2nd	36	4th	47·9	39·4	43·7	+3·1	6	1·28	33	+23	Manchester City	0·2	- 0·6	3	0	31	38·9	+1·4	41·8	- 0·4
p Manchester (Whit. Pk.)	125	50	29, 2	29	4th	46·9	36·9	41·9	+1·9	6	1·85	47	+33	,, Whit. Pk.	0·7	- 0·3	8	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	54	2nd	37	2, 4	47·9	39·4	43·7	+1·8	7	1·46	37	+21	Llandudno	2·8	+0·8	32	—	—	—	—	—	—
i Holyhead	15	51	2nd	40	30, 31	48·1	42·7	45·4	+3·4	7	1·19	30	+12	Holyhead	2·1	—	24	0	36	—	—	—	—
a Aberdovey	80	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	1st	41	30, 1, 2	48·9	42·4	45·7	—	7	1·48	38	—	Aberystwyth	2·3	0·0	26	—	—	—	—	—	—
a Rhayader	757	52	2nd	35	29, 2	46·4	38·9	42·7	—	7	1·88	48	—	Rhayader ..	1·5	—	16	2	30	—	—	—	—
t Pembroke	149	51	2nd	43	29, 30	48·9	45·0	47·0	+4·2	7	0·83	21	+ 2	Pembroke ..	2·8	+0·5	31	—	—	—	—	—	—
p Cardiff	202	54	2nd	34	4th	49·3	39·3	44·3	+4·5	6	1·32	34	+14	Cardiff ..	1·9	—	21	2	29	41·7	+2·4	43·9	+0·8
b, ENGLAND, S.W.																							
h Bath	66	57	2nd	34	1st	50·1	39·7	44·9	+4·7	7	1·63	41	+27	Bath	1·8	- 0·4	20	—	—	42·3	—	44·7	—
a Shaftesbury ..	722	52	2nd	36	1st	47·1	39·3	43·2	+4·7	7	1·54	39	+24	Shaftesbury ..	—	—	—	—	—	42·6	—	44·2	—
a Arlington	613	52	2nd	36	29, 1	48·3	39·7	44 0	+4·3	7	2·08	53	+26										
h Newquay	190	55	2nd	40	29th	51·1	43·3	47·2	+3·6	6	1·00	25	+ 7	Newquay ..	2·0	- 0·3	22	—	—	46·2	—	38·1	—
a Cullompton	202	56	2nd	31	29th	51 0	39·0	45·0	+4·5	7	2·46	63	+44	Cullompton ..	1·7	- 0·3	19	3	25	43·6	—	—	—
t Portland Bill	19	53	3rd	41	29, 31	51·6	42·3	47·0	+4 6	7	0·52	13	0	Weymouth ..	1 8	—	19	—	—	—	—	—	—
p Plymouth	116	54	2nd	40	1st	52·0	43·7	47·9	+5·2	7	1·73	44	+25	Plymouth ..	2·6	+0·3	28	0	32	45·0	+3·5	47·1	—
h Falmouth	167	55	2nd	40	1st	51·9	43·9	47·9	+4·2	7	1·43	36	+11	Falmouth ..	3·0	+0·5	32	0	33	45·9	—	48·2	—
9. IRELAND, N.																							
t Malin Head	71	53	2nd	38	2nd	47·9	42·0	45·0	+4 2	7	1·16	30	+14	Malin Head ..	2·1	—	25	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	52	2nd	39	29, 31	48·3	42·1	45·2	+2 8	6	0·90	23	- 6										
a Mallarany	120	52	3rd	36	31st	48·9	39·3	44·1	—	7	2·19	56	—	Mallarany ..	2·1	—	24	2	28	—	—	—	—
p Markree Castle..	122	54	2nd	33	1st	49·6	38 9	44·3	+4·4	7	1·66	42	+19	Markree Castle	2·2	+0·6	25	1	28	42·8	+2·2	45·0	+1·2
p Armagh	204	51	29, 2, 3	34	1st	48·3	39·6	44·0	+4·3	7	0·77	20	+ 5	Armagh ..	3·0	+1·3	35	0	31	42·0	+2·1	43·8	+0·9
b, East .. *t* Donaghadee ..	35	50	29, 2	35	1st	48·4	40·1	44·3	+3·6	6	1·36	35	+20										
														Trinity Coll.	—	—	—	0	31	42·9	+1·9	44·4	+0·7
														Phœnix Park	2·5	+0·4	28	3	27	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	53	2nd	37	30, 1	49·1	40·6	44·9	+2·7	6	0·68	17	+ 5	Dublin City ..	—	—	—	0	33	—	—	—	—
t Birr Castle	175	52	2nd	33	1st	49·6	40·4	45·0	+4·6	6	1·33	34	+20	Birr Castle ..	3·4	+1·5	38	2	27	—	—	—	—
a Kilkenny	195	53	2, 3	30	31st	50·0	36·3	43·2	+2·5	6	1·35	34	+18										
a Waterford	137	53	2nd	31	1st	51·0	38·9	45 0	+2·9	6	1·50	38	+19										
p Seskin, Carrick-on-Suir	542	52	31st	35	1st	49·4	39·0	44·2	—	6	1·13	29	—	Seskin ..	2·9	—	33	1	30	—	—	—	—
a Foynes	50	54	2nd	36	30th	50·1	40·1	45·1	+2·8	7	1·36	35	+16										
t Cahirciveen (Val. Obs.)	30	54	2nd	43	30, 31	49·4	45·1	47·3	+2·8	7	1·39	35	+ 5	Cahirciveen ..	1·2	- 0·7	13	0	37	—	—	—	—
i Killarney	174	54	2nd	39	1st	50·1	41·5	45·8	+2·9	7	2·06	52	+21	Ballinacurra	—	—	—	—	—	—	—	—	—
i Roche's Point ..	32	52	2, 3	39	31st	50 3	43·1	46·7	+3·1	7	1·61	41	+19										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	2nd	45	31st	52·3	46·4	49·4	+3·7	7	1·11	28	+11	Scilly ..	3·1	+0 6	33	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	2nd	43	30th	51·3	45·7	48 5	+5·4	7	1·59	40	+24	St. Heliers ..	3·6	+0·8	39	—	—	—	—	—	—
p Guernsey† ..	173	55	2nd	43	29th	52·7	45·3	49·0	+5·3	7	1·12	29	+11	Guernsey ..	3·4	+0·9	37	0	35	45·6	+3·0	47·2	+1·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 4th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	hr	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	h.	m
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o									
**Deerness (Cup Anr.) ..	188	16	5	2, 3	33	28 to 31, 2	76	39	18	2	0	130	49	22	3	9	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	77	22	31	38	120	22	10	3	6	45	20	3	5	40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	29 2, 3	28	61	57	22	0	130	31	14	3	9	—	—	—	—	—
Edinburgh	485	39	31	—	0	2	4	53	96	15	0	150	28	13	2	11	40	18	2	10	45
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	30	76	62	0	130	19	8	29	4	31	14	29	4	0
Paisley	188	81	15	—	0	—	0	21	113	30	4	120	17	7	29	6	32	14	29	6	25
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	2	1	54	78	35	0	150	25	11	2	11	41	18	2	11	50
South Shields	72	61	12	—	0	29, 2 to 4	28	37	73	30	0	130	32	14	3	12	43	19	3	13	0
Spurn Head	66	40	‡	—	0	29 2 to 4	26	45	65	0	32	90	33	15	3	21	43	19	3	20	30
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	2 to 4	21	28	113	6	0	100	30	14	3	24	40	18	3	23	0
Shoeburyness	103	90	‡	—	0	—	0	62	91	15	0	—	22	10	2	9	31	14	3	11	10
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	32	107	29	0	160	22	10	2	3	34	15	2 / 3	6 / 14	5 / 5
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	47	88	33	0	—	21	9	2	7	35	16	2	6	10
Larkhill, S'y Plain ..	513	63	43	—	0	3, 4	11	64	87	6	0	290	31	14	3	12	43	19	3	13	20
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	21	106	41	0	220	15	7	2	16	33	15	2	16	40
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	49	65	4	50	300	23	11	1	5	—	—	—	—	—
Southport	80	62	48	—	0	1, 3	8	77	76	7	0	260	32	15	3	12	43	19	3	12	15
Holyhead	60	40	‡	—	0	31 to 3	12	93	56	7	0	280	28	12	1	1	43	19	2	5	0
8. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	2	3	29, 30, 1 to 4	70	68	19	8	0	240	39	18	2	14	58	26	4	0	55
Plymouth	185	88	2	—	0	1 to 3	16	91	45	16	0	—	29	13	1	23	49	22	3	13	15
Lyme Regis	556	61	‡	—	0	—	0	57	46	47	18	—	24	11	4	1	36	16	3	6	40
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	31 to 4	25	74	62	7	0	250	35	16	3	11	—	—	—	—	—
Quilty	100	40	‡	—	0	31, 2 to 4	35	89	44	0	0	—	33	15	3	24	54	24	3	22	55
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	29, 31, 2 to 4	47	85	36	0	0	260	32	14	3	13	54	24	2	21	5
Weaver Pt.	100	30	‡	—	0	30 to 4	27	104	37	0	0	—	32	15	2	16	50	22	2	17	50
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	29, 31, 3, 4	27	29, 31 to 4	42	70	29	0	0	270 / 280	47	21	3	16 / 19	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting §Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTH WEEK of 1922—January 29th to February 4th, 1922.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	48	27	42·6	35·8	39·2	+ 1·6	2	− 5	21	− 17	6	0	0·92	23	− 12	0·4	− 0·9	4	995
Eastern.																			
1. SCOTLAND, EAST ..	48	24	41·0	34·1	37·6	+ 0·3	0	− 7	31	− 12	6	+2	0·66	17	+ 2	1·0	− 0·9	12	996
2. ENGLAND, N.E. ..	49	27	42·4	35·7	39·1	+ 0·2	1	− 8	21	− 11	6	+2	1·19	30	+19	0·8	− 1·2	9	997
3. ENGLAND, EAST ..	55	26	44·9	36·3	40·6	+ 1·8	8	− 2	18	− 16	6	+2	1·10	28	+17	0·8	− 1·6	8	999
4. MIDLAND COUNTIES	55	27	45·8	37·0	41·4	+ 2·4	11	0	15	− 18	6	+2	1·15	29	+16	1·2	− 0·8	13	998
5. ENGLAND, S.E. ..	55	27	48·6	39·7	44·2	+ 4·0	22	+ 9	6	− 20	7	+3	1·04	26	+13	1·4	− 0·9	16	999
Western.																			
6. SCOTLAND, WEST ..	50	29	44·2	36·9	40·6	+ 1·3	6	− 3	16	− 13	7	+2	1·65	42	+16	—	—	—	996
7. ENGLAND, N.W. ..	54	29	46·0	38·1	42·1	+ 2·2	12	+ 1	11	− 14	7	+2	1·64	42	+24	1·7	0·0	19	995
8. ENGLAND, S.W. ..	57	31	49·7	41·1	45·4	+ 4·1	26	+10	3	− 17	7	+2	1·54	39	+18	2·2	0·0	24	998
9. IRELAND, NORTH ..	54	33	48·7	40·5	44·6	+ 4·0	22	+ 9	4	− 19	7	+2	1·20	30	+10	2·6	+1·0	30	992
10. IRELAND, SOUTH ..	54	30	50·0	40·8	45·4	+ 3·2	27	+ 7	3	− 15	7	+2	1·41	36	+16	2·3	+0·4	26	995
11. ENGLISH CHANNEL.	55	43	52·1	45·8	49·0	+ 4·7	49	+25	0	− 7	7	+2	1·27	32	+15	3·4	+0·7	36	1000
MEAN: DISTRICTS 1-10	57	24	46·1	38·0	42·1	+ 2·4	14	+ 2	13	− 16	7	+2	1·26	32	+15	1·6	− 0·4	17	997

THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, November 27th, 1921, to February 4th, 1922.

0. SCOTLAND, NORTH ..	56	18	43·8	35·4	39·7	+ 1·0	69	− 11	229	− 88	54	+ 1	14·61	371	+25	0·6	− 0·2	8	1005
Eastern.																			
1. SCOTLAND, EAST ..	58	8	42·8	34·1	38·6	+ 0·8	68	− 7	307	− 78	51	+10	6·85	174	+13	1·3	0·0	18	1007
2. ENGLAND, N.E. ..	58	12	44·7	35·4	40·3	+ 1·3	115	+ 23	237	− 73	45	+ 7	5·44	138	+20	1·4	0·0	18	1011
3. ENGLAND, EAST ..	59	16	45·2	35·2	40·4	+ 1·6	118	+ 15	235	− 98	44	+ 3	5·98	152	+33	1·3	− 0·3	16	1013
4. MIDLAND COUNTIES	59	12	45·6	35·3	40·7	+ 1·9	126	+ 15	223	−126	46	+ 5	6·42	163	+23	1·2	− 0·1	16	1013
5. ENGLAND, S.E. ..	59	17	46·8	37·4	42·3	+ 1·7	162	+ 13	142	−109	46	+ 7	6·21	157	+ 4	1·4	− 0·2	17	1014
Western.																			
6. SCOTLAND, WEST ..	55	15	45·6	36·7	41·3	+ 1·2	129	+ 15	176	− 73	57	+ 9	14·33	364	+76	—	—	—	1009
7. ENGLAND, N.W. ..	58	20	46·4	37·9	42·3	+ 2·0	151	+ 31	131	−114	53	+ 9	9·38	239	+44	1·4	+ 0·2	18	1011
8. ENGLAND, S.W. ..	57	13	48·5	39·3	44·1	+ 2·0	225	+ 40	80	−104	53	+ 7	8·49	216	− 28	1·4	− 0·2	17	1013
9. IRELAND, NORTH ..	57	22	48·1	39·9	44·2	+ 3·0	228	+ 86	78	−139	58	+ 7	9·66	245	+31	1·4	+ 0·1	19	1008
10. IRELAND, SOUTH ..	60	23	50·1	41·1	45·8	+ 3·2	314	+ 98	49	−120	53	+ 4	9·35	237	− 3	1·5	− 0·1	19	1012
11. ENGLISH CHANNEL..	58	31	51·1	44·8	48·0	+ 2·7	429	+133	7	− 54	56	+ 5	7·37	187	− 22	1·4	− 0·6	17	1015
MEAN: DISTRICTS 1-10..	60	8	46·4	37·2	42·6	+ 1·9	164	+ 33	166	−103	51	+ 7	8·21	209	+21	1·4	− 0·1	18	1011

THE YEAR. Aggregates, &c., for the Period of 5 Weeks, January 1st to February 4th, 1922.

0. SCOTLAND, NORTH ..	55	18	41·5	34·0	37·9	− 0·2	3	− 30	148	− 27	26	0	5·00	127	− 40	0·6	− 0·3	9	1004
Eastern.																			
1. SCOTLAND, EAST ..	57	8	39·4	32·0	35·8	− 1·4	0	− 32	216	+10	27	+7	3·57	91	+18	1·2	− 0·2	16	1005
2. ENGLAND, N.E. ..	57	12	41·5	32·9	37·4	− 0·9	13	− 26	176	+ 3	26	+8	3·75	95	+44	1·1	− 0·4	14	1007
3. ENGLAND, EAST ..	57	16	43·1	33·5	38·4	+ 0·4	25	− 16	151	− 38	26	+6	4·35	111	+59	1·1	− 0·7	14	1008
4. MIDLAND COUNTIES	58	12	43·3	33·2	38·4	+ 0·4	26	− 21	152	− 40	26	+6	4·16	105	+44	1·3	− 0·2	16	1008
5. ENGLAND, S.E. ..	57	17	45·5	35·8	40·9	+ 1·4	51	− 7	91	− 56	27	+8	4·19	107	+44	1·5	− 0·3	18	1009
Western.																			
6. SCOTLAND, WEST ..	54	15	42·7	34·6	38·8	+ 0·4	18	− 29	131	− 8	29	+5	6·91	175	+46	—	—	—	1006
7. ENGLAND, N.W. ..	58	20	43·9	35·7	40·0	+ 0·5	31	− 17	103	− 36	27	+6	4·99	127	+41	1·6	+ 0·2	19	1006
8. ENGLAND, S.W. ..	57	13	47·1	37·6	42·6	+ 1·6	81	+ 4	61	− 49	28	+6	5·40	138	+36	1·6	− 0·1	19	1008
9. IRELAND, NORTH ..	57	22	46·2	37·9	42·2	+ 1·6	68	+ 4	62	− 58	29	+4	5·45	138	+39	1·9	+ 0·5	24	1004
10. IRELAND, SOUTH ..	60	23	48·2	38·8	43·6	+ 1·5	104	+ 6	46	− 48	28	+4	5·69	144	+36	1·9	+ 0·2	24	1006
11. ENGLISH CHANNEL..	56	31	49·9	43·1	46·6	+ 2·3	168	+47	7	− 35	31	+6	4·73	120	+35	1·8	− 0·3	21	1009
MEAN: DISTRICTS 1-10..	60	8	44·1	35·2	39·8	+ 0·6	42	− 13	119	− 32	27	+6	4·85	123	+41	1·5	− 0·1	18	1007
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
10th February, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE 18 FEB 1922 21

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 6.

SIXTH WEEK.

SUNDAY, FEBRUARY 5TH, TO SATURDAY, FEBRUARY 11TH, 1922.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The pressure distribution was dominated throughout the week by the continental anticyclone, the winds being from the south over the British Islands. The weather was fine, cold and dry in all parts of England, but in Scotland and Ireland rain and snow fell in places and hail was reported at one or two stations. The largest amounts of precipitation occurred on Tuesday and Wednesday, 19mm. in 24 hours being measured at Killarney, 13mm. at Cahirciveen (Valencia Observatory) and 11mm. at Roche's Point, Rothesay (Isle of Bute) and Kilmarnock (Ayr). Bright sunshine varied a good deal, but at a number of stations the total for the week was greatly in excess of the normal. At Rothamsted it was as much as 240 per cent., at Guernsey 260 per cent. and at Jersey 270 per cent. of the normal. The most sunny day of the period was Saturday when between 8 and 9 hours were recorded at a large number of stations. Amongst the largest amounts were 8·8 hours at St. Leonard's, 8·7 hours at Plymouth and also at Eastbourne, and about 8·5 hours at Brighton, Ramsgate, Folkestone, Margate, Malvern, Raunds (Northampton) and Rothamsted, while the total amount for the last three days of the week was as much as 26·6 hours at Jersey and 24·9 hours at Guernsey. The mean departure from the normal for the week ranged from +4·6 hours at Jersey to —2·0 hours at Aberdeen and Crathes (Kincardine). Mean temperature was above the normal in Scotland N. and also in Ireland N. and Ireland S., but elsewhere it was below. Maxima of 50°F. occurred at a few stations, the highest being 56°F. at Holyhead on the 9th, 55°F. at Aberystwyth and 54°F. at Aberdovey on the 11th. The lowest of the screen minima were registered on the morning of the 6th when West Witton (N. Riding) and Tenbury (Worcester) had readings of 11°F. Ground frosts were recorded at a number of stations on each night of the week, the lowest readings were 8°F. at Cranwell and 9°F. at Birmingham and Raunds. Solar halos were observed at Hodsock Priory (Worksop) on the 7th and 9th, Ross-on-Wye on the 8th and 9th and at Oxford on the 7th to 9th inclusive. Lunar halos were seen on various dates at a large number of stations in different parts of the country.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	23	22	9·9	15	13	5·9	18	12	5·2	6	6	2·9	19	14	6·3	25	14	6·1	26	12	5·5	23	13	5·9
North ...	2	3	1·3	0	—	—	4	8	3·6	9	3	1·5	2	7	3·3	2	15	6·6	2	8	3·5	0	—	—
West ...	3	6	2·8	10	4	1·7	6	5	2·4	0	—	—	2	1	0·6	0	—	—	2	4	1·9	0	—	—
East ...	20	9	4·2	0	—	—	17	11	5·0	19	8	3·5	13	6	2·7	27	11	5·0	13	4	1·8	22	6	2·6
Calm (or wind-speed < 4 m.p.h.)	1	—	—	13	—	—	0	—	—	6	—	—	7	—	—	0	—	—	0	—	—	5	—	—
No record ..	2	—	—	0	—	—	5	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

DISTRICTS OF THE BRITISH ISLES.

	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Very Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Deficient
Rainfall ..	Very Light	Very Light	Very Light	Nought	Nought	Very Light	Moderate	Nought	Nought	Light	Light	Nought
Sunshine ..	Moderate	Very Scanty	Moderate	Very Abundant	Abundant	Very Abundant	—	Moderate	Abundant	Moderate	Scanty	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. *11* weeks from Nov. 27th, 1921. Warmth ..	3, 7, 1	3, 6, 2	5, 2, 4	6, 2, 3	5, 2, 4	4, 5, 2	5, 4, 2	5, 3, 3	5, 5, 1	7, 3, 1	7, 3, 1	7, 3, 1
Rainfall ..	3, 4, 4	4, 3, 4	3, 3, 5	6, 2, 3	4, 4, 3	3, 5, 3	6, 2, 3	4, 3, 4	2, 6, 3	5, 3, 3	4, 3, 4	2, 5, 4
Sunshine ..	2, 5, 4	3, 4, 4	4, 4, 3	3, 3, 5	4, 3, 4	3, 4, 4	—	4, 7, 0	2, 5, 4	4, 4, 3	1, 5, 5	2, 2, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 ('0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	45	8th	33	5th	42·6	36·4	40·0	+2·2	3	0·17	4	- 16										
p Deerness, Orkney	165	45	10th	35	5, 9	42·0	37·3	39·7	+1·8	4	0·17	4	- 15	Deerness	1·0	- 0·5	12	—	—	—	—	—	—
a Islands — *t* Stornoway	51	46	5, 7, 9	38	9th	44·7	41·3	43·0	+4·4	3	0·48	12	- 16	Stornoway	1·4	- 0·2	16	—	—	—	—	—	—
t Castlebay, Barra I.	37	47	7th	41	5, 9	45·7	43·3	44·5	—	3	0·38	10	—	Castlebay	0·6	—	6	—	—	—	—	—	—
t Wick	81	46	8th	29	9th	42·4	36·3	39·4	+2·2	2	0·31	8	- 6										
a Strathpeffer	125	48	7, 10	27	9th	45·3	33·4	39·4	+2·5	0	0·00	0	- 17										
b, Main- *p* Glencarron	500	48	8, 10	31	8, 11	45·3	34·4	39·9	+3·4	1	0·07	2	- 45										
land. *a* Fort Augustus	68	46	11th	23	8th	41·9	30·6	36·3	- 0·8	3	0·11	3	- 23										
p Fort William	171	49	9th	32	10th	45·3	36·3	40·7	+2·5	3	0·33	8	- 39										
1. SCOTLAND, E.																							
t Nairn	82	49	8th	28	10th	44·7	34·4	39·6	+2·3	1	0·01	0·3	- 12	Nairn	1·3	—	15	—	—	—	—	—	—
p Gordon Castle	101	52	11th	30	11th	45·1	32·4	38·8	+0·5	3	0·18	5	- 7	Gordon Castle	0·9	—	10	—	—	—	—	—	—
t Aberdeen	46	45	8th	32	5th	40·4	35·7	38·1	+0·1	1	0·02	0·4	- 13	Aberdeen	0·4	- 2·0	4	3	29	—	—	40·4	+1·1
a Balmoral	930	46	10th	25	10th	41·0	30·0	35·5	+1·3	3	0·03	1	- 16	Balmoral	—	—	—	5	22	—	—	—	—
p Crieff	432	41	8th	28	5th	37·0	30·3	33·7	- 3·9	4	0·33	8	- 15	Crathes	0·7	- 2·0	8	3	19	36·0	—	39·1	—
a Dundee	244	43	8th	25	11th	39·1	30·4	34·8	- 2·4	3	0·20	5	- 7	Dundee	0·6	—	6	5	21	35·6	—	—	—
t Inchkeith (F. of Forth)	190	43	8th	31	5th	38·9	34·6	36·8	—	2	0·06	2	—	Inchkeith (F. of Forth)	—	—	—	3	25	—	—	—	—
p Edinburgh	441	46	11th	28	5th	40·4	33·1	36·8	- 1·2	2	0·07	2	- 8	Edinburgh	1·1	- 1·5	13	4	22	—	—	—	—
a West Linton	769	46	11th	24	5th	38·3	27·4	32·9	- 2·1	3	0·10	3	—	West Linton	—	—	—	6	21	—	—	—	—
a Marchmont	498	45	11th	22	6th	37·9	28·0	33·0	- 3·9	1	0·02	1	- 12	Marchmont	1·1	- 1·1	13	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	46	8th	33	5th	*43·9	36·5	40·2	—	3	0·37	10	—	Ford (Argyll)	—	—	—	2	26	38·8	—	41·0	—
t Renfrew	49	45	8th	25	11th	39·7	32·7	36·2	—	3	0·45	11	—	Renfrew	0·1	—	1	2	18	—	—	—	—
p Rothesay	200	45	8th	33	5th	41·7	36·0	38·9	- 0·8	5	0·81	21	- 6	Rothesay	0·2	—	2	3	29	38·9	—	42·0	+0·3
a Kilmarnock	90	46	11th	32	5, 11	42·3	33·4	37·9	- 0·4	3	0·65	17	- 4	Kilmarnock	1·0	—	11	—	—	37·8	—	42·1	—
a Colmonell	170	45	7,8, 11	32	5, 6	42·6	34·3	38·5	- 0·2	3	0·74	19	- 7	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	42	9,10,11	25	5th	38·1	29·7	33·9	- 4·6	4	0·21	5	- 15	Dumfries	1·4	—	15	6	18	36·3	- 1·4	40·3	+0·2
t Eskdalemuir	794	43	11th	19	11th	35·4	25·3	30·4	—	4	0·31	8	—	Eskdalemuir	1·7	—	18	6	13	—	—	—	—
b, I. OF MAN *h* Douglas	284	47	11th	32	5, 6	41·9	36·1	39·0	- 1·6	3	0·42	11	- 11	Douglas	1·2	- 1·2	13	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	43	11th	21	6th	37·6	27·6	32·6	- 5·7	1	0·01	0·2	- 11	Cockle Park	0·9	- 1·8	9	7	15	34·2	- 2·1	39·4	+0·2
t Tynemouth	118	43	11th	25	6th	37·0	30·0	33·5	- 5·4	0	0·00	0	- 8										
p Durham	336	39	11th	17	6th	34·7	25·4	30·1	- 7·5	1	0·03	1	- 7	Durham	1·6	- 0·7	17	7	11	—	—	—	—
a North — *p* Rounton	249	45	11th	20	6th	37·7	26·9	32·3	- 5·3	0	0·00	0	- 9	Rounton	—	—	—	7	16	35·6	—	—	—
a West Witton	605	43	10th	11	6th	37·4	23·4	30·4	—	0	0·00	0	—	West Witton	—	—	—	7	11	34·4	—	38·8	—
h Scarborough	118	43	10, 11	21	6th	36·9	29·7	33·3	- 6·0	1	0·03	1	- 9	Scarborough †	2·1	- 0·1	23	—	—	—	—	40·3	—
p York	56	39	9,10,11	20	6th	35·7	27·7	31·7	- 7·1	0	0·00	0	- 9	York	1·8	0·0	20	—	—	37·2	- 1·0	41·7	+0·6
t Spurn Head	26	42	11th	25	7th	38·4	30·1	34·3	- 4·6	1	0·01	0·3	- 9	Spurn Head	3·3	—	36	—	—	—	—	—	—
b, South — *a* Lincoln	58	44	10th	18	6th	38·1	27·1	32·6	- 5·8	0	0·00	0	- 9	Lincoln	—	—	—	7	14	34·9	- 2·1	41·4	+0·8
t Cranwell	237	42	11th	15	6th	36·1	22·9	29·5	- 8·7	1	0·02	0.4	- 7	Cranwell	4·0	+1·4	43	7	8	—	—	—	—
														Skegness	5·3	+2·5	57	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	44	11th	26	5, 6, 7	39·4	28·6	34·0	- 4·6	0	0·00	0	- 7	Cromer	5·6	+3·0	61	—	—	—	—	—	—
a Little Massingham	277	44	11th	20	6th	37·9	25·9	31·9	- 5·7	0	0·00	0	- 10	Lit Massingham	4·9	+2·6	52	—	—	—	—	—	—
t Yarmouth	13	41	11th	28	5th	37·9	31·7	34·8	- 3·5	0	0·00	0·1	- 9	Yarmouth	4·7	—	51	5	24	38·0	- 0·6	42·3	- 0·3
a Norwich	93	44	11th	24	7th	38·6	28·4	33·5	- 5·0	0	0·00	0	- 10	Norwich	5·5	—	59	7	17	34·9	—	—	—
a Geldeston	37	43	11th	22	7th	39·3	27·4	33·4	- 5·5	0	0·00	0	- 8	Geldeston	5·4	+3·1	58	—	—	—	—	—	—
p Cambridge	41	46	10th	18	6th	40·3	26·1	33·2	- 5·6	0	0·00	0	- 8	Cambridge	4·3	+1·8	45	7	21	37·0	- 1·3	43·2	+1·2
t Clacton-on-Sea	54	44	10th	28	6, 7	38·4	33·1	35·8	- 2·7	1	0·02	1	- 6	Clacton-on-Sea	4·2	+1·5	44	4	20	36·8	- 2·7	43·3	+0·2
a Rothamsted	420	43	10, 11	20	6th	38·0	25·4	31·7	- 6·5	0*	0·00	0·1	- 11	Rothamsted	5·4	+3·1	57	7	13	36·0	—	—	—
p Tottenham	51	45	11th	27	6, 7	40·7	28·6	34·7	—	0	0·00	0	—	Tottenham	2·7	—	29	—	—	—	—	43·6	+0·6
														Southend	4·7	—	50	6	25	37·0	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	40	10th	17	6th	34·7	24·1	29·4	- 8·2	0	0·00	0	- 13	Harrogate	1·4	- 0·8	16	7	10	36·3	- 1·5	39·8	+0·1
a North — *p* Sheffield	429	41	10, 11	21	6th	36·4	26·4	31·4	—	0	0·00	0	—	Sheffield	1·9	- 0·1	21	7	16	35·3	- 2·1	40·3	- 0.5
p Buxton	987	41	11th	18	6th	34·7	23·7	29·2	- 6·8	1	0·12	3	- 21	Buxton	2·5	—	27	7	17	35·3	- 1·4	39·7	- 1·3
a Worksop	56	45	10th	19	6th	38·3	24·0	31·2	- 7·6	1	0·01	0	- 10	Worksop	2·4	+0·6	23	7	18	36·2	—	41·2	—
t Nottingham	82	45	10, 11	18	6th	38·9	25·7	32·3	- 6·4	0	0·00	0	- 10	Nottingham	2·9	+1·1	31	7	16	32·6	- 4·2	37·8	- 1·4
b, East — *p* Birmingham, Edgbsn.	525	45	11th	22	6th	38·0	26·9	32·5	- 6·2	0	0·00	0	- 11	Birmingham	3·3	+1·8	36	7	9	36·8	- 2·4	44·3	+0·8
a Raunds	213	46	11th	16	6th	41·3	23·1	32·2	- 5·8	0	0·00	0	- 9	Raunds	4·5	—	48	7	9	37·3	—	—	—
p Oxford	208	46	9, 11	16	6th	39·7	24·7	32·2	- 7·3	0	0·00	0	- 10	Oxford	4·6	+2·4	48	7	11	—	—	—	—
														Malvern	4·9	—	52	7	12	36·5	—	42·0	—
a Cheadle (N. Staffs.)	646	42	11th	20	6th	36·4	24·6	30·5	- 7·1	0	0·00	0	- 13	Cheadle	—	—	—	7	17	—	—	—	—
e, West — *p* Tenbury	313	43	11th	11	6th	37·7	20·9	29·3	-10·1	0	0·00	0	- 9	Tenbury	—	—	—	7	10	37·0	—	—	—
a Hereford	291	44	11th	18	6th	38·1	23·4	30·8	- 8·4	1	0·06	2	- 11	Ross on Wye	3·6	—	38	7	15	35·8	—	43·0	—
a Clifton	225	46	11th	26	6th	39·9	28·4	34·2	- 6·2	0	0·00	0	- 15	Clifton	3·7	—	39	6	23	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	45	10, 11	18	6th	38·9	24·3	31·6	- 6·6	1	0·02	0·4	- 16	Worthing	5·5	+2·9	57	7	24	38·9	- 1·0	45·0	+1·3
a Porton	340	46	10, 11	19	6th	39·9	24·9	32·4	—	1	0·05	1	—	Marlborough	3·8	+2·1	40	7	15	38·4	—	45·0	—
a Wisley, Surrey	150	46	11th	23	6th	40·0	26·7	33·4	- 5·7	0	0·00	0	- 12	Porton	—	—	—	7	15	37·6	—	—	—
h Tunbridge Wells	354	48	11th	26	6, 7	40·9	28·0	34·5	- 4·2	0	0·00	0	- 15	Wisley, Surrey	4·5	+2·7	47	7	10	36·8	- 2·0	43·4	+1·2
h Margate	51	43	10th	27	6th	38·7	31·4	35·1	- 4·7	1	0·02	0·4	- 9	Tunbridge Wells	4·7	+2·6	49	7	16	38·6	—	43·9	—
														Margate	4·1	+2·0	43	6	23	36·8	- 3·1	43·4	+0·8
t Dungeness	21	45	10, 11	29	6, 7	39·6	32·3	36·0	- 3·7	0	0·00	0	- 11	Folkestone	4·6	—	48	7	22	—	—	46.0	—
h St. Leonards	178	45	11th	28	5, 6	39·0	31·9	35·5	- 4·5	0	0·00	0	- 13	St. Leonards	5·6	+3·1	59	6	25	37·9	—	44·6	—
p Southampton	64	47	9, 10	25	6th	41·4	29·9	35·7	- 5·3	1	0·19	5	- 10	Southampton	5·1	+2·9	53	6	17	—	—	—	—
a Ventnor	59	47	10th	29	6th	41·6	35·0	38·3	- 3·6	0	0·00	0	- 14	Ventnor	5·3	+2·8	55	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	43	10th	27	7th	39·4	29·5	34·5	- 5·3	0	0·00	0	- 10	Richmond	3·6	+1·9	38	7	20	36·7	- 1·8	44·4	+1·6
a Westminster	27	45	10, 11	29	6th	41·3	30·9	36·1	- 4·3	0	0·00	0	- 10	Westminster	3·3	+2·3	35	7	22	—	—	—	—
ae Greenwich	149	44	10th	26	7, 8	39·9	28·3	34·1	- 5·4	0	0·00	0	- 11	Greenwich	4·8	+3·2	51	7	17	—	—	—	—
a Hampstead	450	42	11th	25	6th	37·3	28·4	32·9	—	1	0·02	1	—	Hampstead	3·8	—	41	7	14	—	—	—	—
ag Camden Square	110	43	9,10,11	24	7th	39·9	27·0	33·5	- 6·2	0	0·00	0	- 11	Camden Square	—	—	—	7	22	37·1	—	43·7	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	11th	23	5th	41·1	30·3	35·7	- 2·7	4	0·12	3	- 18	Aspatria	1·8	- 0·2	20	6	20	37·0	- 1·8	41·9	- 0·2
p Newton Rigg	559	49	11th	21	5th	38·9	28·3	336	- 3·4	0	0·00	0	- 22	Newton Rigg	1·7	- 0·2	18	7	17	—	—	—	—
p Stonyhurst	375	42	11th	21	6th	38·1	27·2	33·0	- 5·3	0	0·00	0	- 23	Stonyhurst	1·4	- 0·4	16	7	18	—	—	—	—
h Blackpool	66	46	11th	24	6th	38·4	29·4	33·9	- 5·2	0	0·00	0	- 15	Blackpool	1·7	- 0·5	18	7	22	38·3	—	43·6	—
h Southport	37	46	11th	24	6th	38·4	29·6	34·0	- 5·3	0	0·00	0	- 14	Southport	1·9	- 0·3	20	7	18	34·8	- 2·1	40·0	+0·2
														Hoylake	2·0	- 0·0	22	—	—	—	—	—	—
t Liverpool (Bidston)	188	41	10sh	23	6th	37·0	28·7	32·9	- 6·8	0	0·00	0	- 11	Liverpool	2·2	—	24	7	20	—	—	—	—
a Hawarden Bridge	22	45	11th	20	6th	39·4	29·3	34·4	- 6·0	0	0·00	0	- 10	Manchester City	1·1	+0·1	12	5	23	35·9	- 1·6	41·8	- 0·2
p Manchester (Whit. Pk.)	125	49	11th	25	6th	40·9	30·3	35·6	- 4·3	0	0.00	0	- 13	„ Whit. Pk.	2·3	+1·2	25	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	50	9th	27	6th	43.7	31·3	37·5	- 4·1	0	0·00	0	- 14	Llandudno	2·6	+0·6	28	—	—	—	—	—	—
t Holyhead	15	56	9th	32	6th	45·1	35·4	40·3	- 1·3	0	0·00	0·1	- 16	Holyhead	2·9	—	32	0	31	—	—	—	—
a Aberdovey	60	54	11th	29	7th	44·0	33·9	39·0	—	0	0·00	0	—	Aberdovey	3·4	+1·2	37	5	24	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 7h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	55	11th	27	6th	44·4	32·0	38·2	—	0	0·00	0	—	Aberystwyth	3·7	+1·6	39	—	—	—	—	—	—
a Rhayader	757	49	11th	19	6th	38·9	24·3	31·6	—	0	0·00	0	—	Rhayader ..	2·8	—	30	7	11	—	—	—	—
t Pembroke	149	46	11th	34	6th	43 3	38·1	40·7	- 1·7	1	0·01	0·2	- 18	Pembroke ..	2·0	- 0·2	21	—	—	—	—	—	—
p Cardiff	202	45	11th	25	6th	40·4	29·6	35·0	- 4·8	0	0·00	0	- 19	Cardiff ..	3·4	—	37	7	21	38·3	- 1·2	44·1	+1·3
b, ENGLAND, S.W.																							
h Bath	66	49	11th	23	6th	41·4	27·4	34·4	- 5·7	1	0·01	0	- 14	Bath	4·5	+2·3	48	—	—	39·3	—	44·5	—
a Shaftesbury	722	46	11th	26	5th	38·9	28·6	33·8	- 4·6	1	0·04	1	- 14	Shaftesbury ..	—	—	—	—	—	36·7	—	44·3	—
a Arlington	613	48	11th	27	6th	41·1	31·8	36 5	- 3·0	0	0·00	0	- 26										
h Newquay	190	50	11th	33	6, 8, 10	44·8	35·7	40·3	- 2·9	0	0·00	0	- 17	Newquay ..	4·2	+2·0	45	—	—	43·6	—	48·1	—
a Cullompton	202	52	11th	26	11th	43 1	30·3	36·7	- 3·7	0	0·00	0	- 18	Cullompton ..	4·5	+2·5	47	7	16	41·5	—	—	—
t Portland Bill	19	46	9,10,11	32	6th	43·4	36·1	39·8	- 2·3	0	0·00	0	- 13	Weymouth ..	5 4	—	57	—	—	—	—	—	—
p Plymouth	116	51	11th	30	6th	45·6	35·4	40·5	- 1·9	0	0·00	0	- 19	Plymouth ..	4·7	+2·4	50	3	27	41·1	- 0·6	47·2	—
h Falmouth	167	52	11th	36	6th	45·9	40·4	43·2	- 0·2	0	0·00	0	- 24	Falmouth ..	3·7	+1·3	39	0	34	42·3	—	48·0	—
9. IRELAND, N.																							
t Malin Head	71	47	7th	36	6th	45·4	39·6	42·5	+1·9	3	0·11	3	- 13	Malin Head ..	0·3	—	3	—	—	—	—	—	—
t Blacksod Point ..	10	51	7, 11	35	5th	48·9	42·0	45·5	+3 3	3	0·09	2	- 25										
a, West .. *a* Mallarany	120	51	10, 11	34	5th	49·0	39·3	44·2	—	4	0·20	5	—	Mallarany ..	1·1	—	12	1	25	—	—	—	—
p Markree Castle..	122	49	7, 8	31	5th	47·6	36·1	41·9	+2·0	3	0·25	6	- 17	Markree Castle	1·6	- 0·4	17	3	26	42·7	+2·0	45·1	+1·5
p Armagh..	204	47	7, 8	33	6th	45·3	36·9	41·1	+1·4	2	0·21	5	- 10	Armagh ..	0·2	- 1·8	3	4	27	42·2	+2·2	44·2	+1·4
b, East .. *t* Donaghadee ..	35	46	7, 8,10, 11	36	5, 6	44·9	39·4	42·2	+1·6	3	0·29	7	- 8										
														Trinity Coll.	—	—	—	3	26	42·3	+1·2	44·9	+1·3
														Phœnix Park	1·9	- 0·4	21	3	19	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	48	7, 8, 9	30	11th	46·3	36·7	41·5	- 0·7	1	0·16	4	- 9	Dublin City ..	—	—	—	2	26	—	—	—	—
t Birr Castle	175	49	10, 11	31	10th	47·6	37·6	42·6	+2·1	2	0·44	11	- 5	Birr Castle ..	1·6	- 0·5	18	2	24	—	—	—	—
a Kilkenny	195	49	11th	31	6th	46·4	39·3	42·9	+2·1	3	0·50	13	- 4										
a Waterford	137	49	8th	35	6th	47·6	40·1	43·9	+1·7	2	0·25	6	- 16										
p Seskin, Carrick-on-Suir	542	47	10th	31	5th	44·7	35·9	40·3	—	3	0·32	8	—	Seskin ..	0·7	—	8	2	26	—	—	—	—
a Foynes	50	51	10th	31	11th	48·3	37·6	43·0	+0·7	4	0·30	8	- 13										
t Cahirciveen (Val. Obs.)	30	51	9th	39	5th	50·0	43·4	46·7	+2·4	2	0·71	18	- 16	Cahirciveen ..	1·9	- 0·2	21	0	33	—	—	—	—
a Killarney	174	52	10th	33	5th	50·1	40·3	45·2	+2·4	5	0·87	22	- 13	Ballinacurra	1·0	- 1·4	11	—	—	—	—	—	—
t Roche's Point	32	50	9th	39	5, 6	47·7	43·7	45·7	+2·2	2	0·59	15	- 10										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	52	11th	39	7th	47·7	42·3	45·0	- 0·1	1	0·01	0·3	- 16	Scilly ..	3·4	+1 0	36	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	47	11th	28	6th	41·0	33·4	37·2	- 5·5	0	0·00	0	- 15	St. Heliers ..	7·3	+4·6	76	—	—	—	—	—	—
p Guernsey† ..	173	49	5, 9, 11	29	6th	44·9	34·6	39·8	- 3·5	0	0·00	0	- 16	Guernsey ..	6·5	+4·0	68	6	25	41·0	- 1·6	47·0	+1·5

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at [illegible], St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 11th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	4	4	4 to 8, 10	66	69	14	8	7	130	43	19	4	1	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*			Defective records															
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	11	139	18	0	200	15	7	8	4	—	—	—	—	—
Edinburgh	485	39	31	8	4	7, 8	19	25	43	77	0	190	43	19	8	3	63	28	8	3	5
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	8	1	17	36	114	0	210	25	11	8	3	36	16	8	3	0
Paisley	188	81	15	—	0	—	0	49	58	61	0	190	23	11	8	2	44	20	8	2	55
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	19	113	30	6	170	16	7	7	22	27	12	7	22	25
South Shields	72	61	12	—	0	—	0	27	123	18	0	200	18	8	8	3	32	14	8	2	30
Spurn Head	66	40	‡	—	0	7, 8	10	112	43	3	0	180	25	11	7	24	32	15	7	23	50
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	9	1	106	39	2	20	140	25	11	9	22	31	14	9	19	25
Shoeburyness	103	90	‡	—	0	11	6	79	54	27	2	—	28	13	11	20/22	34	15	11	22	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	26	114	28	0	70	17	7	9	7	27	12	8	22	50
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	60	91	17	0	—	17	8	11	23	31	14	9	11	15
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	77	91	0	0	140	9	21	7	14	27	12	7	11	20
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	25	117	26	0	70	18	8	11	19	27	12	11	19	5
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	66	97	5	0	150	22	10	7	17	—	—	—	—	—
Southport	80	62	48	—	0	—	0	83	81	4	0	170	21	10	7	22	32	14	8	4	25
Holyhead	60	40	‡	—	0	6 to 8	26	54	69	19	0	170	31	14	7	15	49	22	7	15	15
8. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	9	7	5 to 9, 11	66	83	12	0	0	100	42	19	9	10	51	23	9	10	25
Plymouth	185	88	2	—	0	7 to 9	18	76	74	0	0	—	29	13	7	21	47	21	9	14	25
Lyme Regis	556	61	‡	—	0	—	0	78	84	6	0	—	17	8	7	15	27	12	7	15	30
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	6 to 8	9	91	67	1	0	190	35	16	8	1	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	7	7	80	62	19	0	—	30	14	7	16	46	21	7	14	40
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	6, 7	23	77	45	23	0	170	31	14	7	9	49	22	7	13	0
Weaver Pt.	160	30	‡	—	0	6 to 9	48	76	22	0	22	—	36	16	6	18	50	22	7	8	50
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	6 to 9	39	80	48	1	0	160	34	15	7	17	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡Standard mounting. §Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTH WEEK of 1922—February 5th to February 11th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal: mm.	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	49	27	43·9	35·7	39·8	+ 2·2	5	0	21	− 18	2	− 3	0·21	5	− 24	1·2	− 0·2	14	1017
Eastern.																			
1. SCOTLAND, EAST ..	52	22	40·4	31·6	36·1	− 1·0	0	− 7	41	− 3	2	− 2	0·09	2	− 12	0·9	− 1·5	10	1021
2. ENGLAND, N.E. ..	45	15	36·9	27·5	32·2	− 6·3	0	− 10	69	+34	1	− 3	0·01	1	− 8	2·6	+0·3	28	1026
3. ENGLAND, EAST ..	46	18	38·9	28·4	33·7	− 4·9	0	− 10	58	+24	0	− 4	0·00	0	− 9	4·7	+2·2	49	1027
4. MIDLAND COUNTIES	46	11	38·3	24·6	31·5	− 7·1	0	− 11	74	+37	0	− 4	0·00	0	− 12	3·0	+0·9	32	1026
5. ENGLAND, S.E. ..	48	18	39·9	29·4	34·7	− 5·1	0	− 13	51	+22	1	− 3	0·03	1	− 13	4·7	+2·5	49	1026
Western.																			
6. SCOTLAND, WEST ..	47	25	41·5	34·1	37·8	− 1·3	0	− 9	29	− 2	3	− 2	0·52	13	− 13	—	—	—	1023
7. ENGLAND, N.W. ..	56	20	40·3	30·1	35·2	− 4·4	0	− 10	48	+20	0	− 4	0·00	0	− 17	2·1	+0·2	23	1023
8. ENGLAND, S.W. ..	52	19	42·2	32·2	37·2	− 3·8	1	− 14	34	+11	0	− 4	0·00	0	− 20	3·8	+1·6	40	1023
9. IRELAND, NORTH ..	51	31	46·6	38·6	42·6	+ 2·1	14	0	10	− 14	3	− 2	0·23	6	− 14	0·9	− 1·1	10	1018
10. IRELAND, SOUTH ..	52	30	48·0	39·8	43·9	+ 1·7	19	− 1	6	− 13	3	− 2	0·48	12	− 11	1·6	− 0·6	17	1018
11. ENGLISH CHANNEL..	52	28	44·5	36·8	40·7	− 3·1	7	− 16	16	+ 6	0	− 4	0·00	0	− 16	5·7	+3·1	60	1022
MEAN: DISTRICTS 1-10	56	11	41·3	31·6	36·5	− 3·0	3	− 9	42	+12	1	− 3	0·14	4	− 13	2·7	+0·5	29	1023

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, November 27th, 1921, to February 11th, 1922.

0. SCOTLAND, NORTH ..	56	18	43·8	35·4	39·7	+ 1·0	74	− 11	250	−106	56	− 2	14·82	376	+ 1	0·6	− 0·2	9	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	8	42·6	33·9	38·4	+ 0·8	68	− 14	348	− 81	53	+ 8	6·94	176	+ 1	1·3	0·0	17	1008
2. ENGLAND, N.E. ..	58	12	44·0	34·7	39·5	+ 0·5	115	+ 13	306	− 39	46	+ 4	5·45	139	+12	1·5	+ 0·1	19	1012
3. ENGLAND, EAST ..	59	16	44·6	34·6	39·8	+ 1·0	118	+ 5	293	− 74	44	− 1	5·98	152	+24	1·6	0·0	20	1014
4. MIDLAND COUNTIES	59	11	45·0	34·4	39·8	+ 1·0	126	+ 4	297	− 89	46	+ 1	6·42	163	+11	1·4	0·0	17	1014
5. ENGLAND, S.E. ..	59	17	46·2	36·6	41·6	+ 1·1	162	0	193	− 87	47	+ 4	6·24	158	− 9	1·7	0·0	20	1015
Western.																			
6. SCOTLAND, WEST ..	55	15	45·3	36·5	41·0	+ 1·1	129	+ 6	205	− 75	60	+ 7	14·85	377	+63	—	—	—	1010
7. ENGLAND, N.W. ..	58	20	45·8	37·2	41·6	+ 1·3	151	+ 21	179	− 94	53	+ 5	9·38	239	+27	1·5	+ 0·2	19	1012
8. ENGLAND, S.W. ..	57	13	47·9	38·7	43·4	+ 1·5	226	+ 26	114	− 93	53	+ 3	8·49	216	− 48	1·6	0·0	19	1014
9. IRELAND, NORTH ..	57	22	48·0	39·8	44·0	+ 3·0	242	+ 86	88	−153	61	+ 5	9·89	251	+17	1·5	+ 0·1	19	1009
10. IRELAND, SOUTH ..	60	23	49·9	41·0	45·6	+ 3·0	333	+ 97	55	−133	56	+ 2	9·83	249	− 14	1·6	0·0	19	1012
11. ENGLISH CHANNEL..	58	28	50·5	44·0	47·4	+ 2·1	436	+117	23	− 48	56	+ 1	7·37	187	− 38	1·8	− 0·2	21	1015
MEAN: DISTRICTS 1-10..	60	8	45·9	36·7	41·5	+ 1·4	167	+ 24	208	− 92	52	+ 4	8·35	212	+ 8	1·5	0·0	19	1012

THE YEAR. Aggregates, &c., for the Period of 6 Weeks, January 1st to February 11th, 1922.

0. SCOTLAND, NORTH ..	55	18	41·9	34·3	38·2	+ 0·2	8	− 30	169	− 45	28	− 3	5·21	132	− 64	0·7	− 0·3	10	1006
Eastern.																			
1. SCOTLAND, EAST ..	57	8	39·6	31·9	35·9	− 1·3	0	− 39	257	+ 7	29	+5	3·66	93	+ 6	1·2	− 0·4	15	1008
2. ENGLAND, N.E. ..	57	12	40·7	32·0	36·5	− 1·8	13	− 36	245	+37	27	+5	3·76	96	+36	1·4	− 0·2	17	1010
3. ENGLAND, EAST ..	57	16	42·4	32·7	37·7	− 0·4	25	− 26	209	− 14	26	+2	4·35	111	+50	1·7	− 0·2	20	1012
4. MIDLAND COUNTIES	58	11	42·5	31·8	37·3	− 0·8	26	− 32	226	− 3	26	+2	4·16	105	+32	1·6	0·0	19	1011
5. ENGLAND, S.E. ..	57	17	44·6	34·8	39·8	+ 0·3	51	− 20	142	− 34	28	+5	4·22	108	+31	2·1	+ 0·3	24	1012
Western.																			
6. SCOTLAND, WEST ..	54	15	42·5	34·5	38·7	− 0·5	18	− 38	160	− 10	32	+3	7·43	188	+33	—	—	—	1009
7. ENGLAND, N.W. ..	58	20	43·3	34·8	39·2	− 0·3	31	− 27	151	− 16	27	+2	4·99	127	+24	1·7	+ 0·2	20	1009
8. ENGLAND, S.W. ..	57	13	46·3	36·7	41·7	+ 0·7	82	− 10	95	− 38	28	+2	5·40	138	+16	2·0	+ 0·2	23	1011
9. IRELAND, NORTH ..	57	22	46·2	38·0	42·3	+ 1·7	82	+ 4	72	− 72	32	+2	5·68	144	+25	1·9	+ 0·4	23	1007
10. IRELAND, SOUTH ..	60	23	48·1	39·0	43·7	+ 1·6	123	+ 5	52	− 61	31	+2	6·17	156	+25	1·9	+ 0·1	23	1008
11. ENGLISH CHANNEL..	56	28	49·0	42·0	45·6	+ 1·4	175	+31	23	− 29	31	+2	4·73	120	+19	2·4	+ 0·2	28	1012
MEAN: DISTRICTS 1-10 ..	60	8	43·6	34·6	39·3	− 0·1	45	− 22	161	− 20	29	+3	4·98	127	+28	1·7	0·0	20	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
17th February, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 7.

SEVENTH WEEK
SUNDAY, FEBRUARY 12TH, TO SATURDAY, FEBRUARY 18TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was changeable and unsettled. Rain or snow fell in most parts of the British Islands and hail was reported in several places. Considerable sunshine was recorded on one or two days, notably on the 18th, when between 8 and 9 hours were registered at a large number of stations, especially in the southern and eastern parts of England. Amongst the largest amounts obtained on that date were 9·4 hours at Ross-on-Wye (95 per cent. of the possible), 9·0 hours at Portsmouth, 8·9 hours at Southampton, 8·8 hours at Douglas (Isle of Man), about 8·5 hours at Bath, Eastbourne, Folkestone, Oxford, St. Leonard's and Worthing, and 8·2 hours at Hampstead. Fog was reported in several places. The mean amount of sunshine for the week was below the normal at most stations. The mean departure from the normal ranged from +1·3 hours at Armagh to −1·8 hours at Falmouth. Maximum temperatures above 50°F. were registered in many places, the highest being 55°F. at Cullompton (Devon) and 54°F. at Bath on the 16th. Minimum temperatures below 25°F. were recorded in many parts of the country, the lowest in the screen were 18°F. at Marlborough and 19°F. at Porton (Salisbury Plain) on the 14th; while grass minima below 15°F. occurred in various parts of England usually on the same date. The mean temperature was below the normal in most districts. The total fall of rain or snow for the week was above the normal at a large number of stations. Amongst the largest measurements were 14mm. at Colmonell, 17mm. at Douglas on the 15th, 18mm. at Arlington (Devon), 17mm. at Lerwick on the 16th, 20mm. at Ford (Argyll), 18mm. at Gordon Castle and Rothesay, 17mm. at Malin Head, 15mm. at Tenbury (Worcester) and 14mm. at Kilmarnock on the 17th. Solar halos were observed at Clacton on the 13th and at Oxford on the 13th and 16th. The Zodiacal Light was witnessed at Tenbury on the 13th and 17th, at Oxford on the 17th and 18th and at Ross-on-Wye on the 18th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	21	13	6·0	18	7	3·2	17	11	5·0	14	7	3·0	14	9	3·8	11	9	4·0	18	7	3·0	18	7	3·1
North ...	4	5	2·2	4	3	1·5	5	2	0·9	0	—	—	9	6	2·7	11	8	3·5	2	2	1·1	8	9	4·2
West ...	9	9	4·0	18	11	4·8	25	9	3·9	18	7	3·0	19	13	5·9	21	13	5·9	20	13	6·0	18	9	4·1
East ...	15	8	3·6	4	5	2·3	3	18	8·0	5	6	2·7	3	8	3·4	2	12	5·4	4	2	0·9	7	4	2·0
Calm (or wind-speed < 4 m.p.h.)	1	—	—	5	—	—	0	—	—	5	—	—	3	—	—	2	—	—	2	—	—	2	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. England, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate
	Sunshine ..	Moderate	Scanty	Moderate	Scanty	Scanty	Moderate	—	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 12 weeks from Nov. 27th, 1921.	Warmth ..	3, 8, 1	3, 7, 2	5, 3, 4	6, 3, 3	5, 3, 4	4, 6, 2	5, 5, 2	5, 4, 3	5, 6, 1	7, 4, 1	7, 4, 1	7, 4, 1
	Rainfall ..	3, 5, 4	5, 3, 4	3, 4, 5	7, 2, 3	4, 5, 3	3, 6, 3	7, 2, 3	4, 4, 4	2, 7, 3	6, 3, 3	4, 4, 4	2, 6, 4
	Sunshine ..	2, 6, 4	3, 4, 5	4, 5, 3	3, 3, 6	4, 3, 5	3, 5, 4	—	4, 8, 0	2, 5, 5	4, 5, 3	1, 6, 5	2, 2, 8

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F	°F.	F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	45	17, 18	31	14, 15	41·4	34·9	38·2	+0·4	5	0·91	23	+ 2										
p Deerness, Orkney	165	45	12th	32	14th	42·6	35·4	39·0	+0·9	4	0·31	8	- 12	Deerness	3·2	+1·1	35	—	—	—	—	—	—
a Islands *t* Stornoway	51	48	16th	31	17th	43·0	36·7	39·9	+1·2	5	0·75	19	- 11	Stornoway	1·6	- 0·7	18	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	43	12, 18	30	13, 14	41·6	33·9	37·8	+0·4	6	0·53	14	- 2										
a Strathpeffer	125	44	16th	27	14th	39·3	29·0	34·2	- 3·0	5	0·90	23	+ 5										
b, Main- *p* Glencarron	500	43	16th	26	13th	39·7	30·9	35·3	- 1·4	7	1·32	34	- 17										
land. *a* Fort Augustus	68	46	12th	25	17th	42·0	30·7	36·4	- 0·9	6	0·70	18	- 10										
p Fort William	171	46	12th	29	17th	42·7	32·7	37·7	- 0·8	7	1·39	35	- 15										
1. SCOTLAND, E.																							
t Nairn	82	45	16th	28	13, 17	40·4	31·0	35·7	- 2·0	5	0·84	21	+10	Nairn	1·4	—	15	—	—	—	—	—	—
p Gordon Castle	101	48	12th	29	12th	41·1	32·3	36·7	- 2·0	5	1·54	39	+27	Gordon Castle	0·7	—	8	—	—	—	—	—	—
t Aberdeen	46	43	12, 14	32	17th	40·9	34·9	37·9	- 0·5	4	1·03	26	+13	Aberdeen	1·2	- 1·6	13	4	25	—	—	40·2	+0·9
a Balmoral	930	48	12th	23	17th	40·1	29·4	34·8	+0·3	5	0·33	8	- 9	Balmoral	—	—	—	6	20	—	—	—	—
p Crieff	432	43	14th	27	12th	40·0	30·4	35·2	- 2·9	5	0·60	15	- 6	Crathes	1·5	- 1·5	16	4	26	35·7	—	39·0	—
a Dundee	244	45	14, 15	24	12th	40·9	29·0	35·0	- 2·6	7	0·72	18	+ 6	Dundee	1·9	—	20	7	20	34·3	—	—	—
t Inchkeith (F. of Forth)	190	44	15th	32	13th	40·7	34·9	37·8	—	3	0·41	10	—	Inchkeith (F. of Forth)	1·8	—	20	3	26	—	—	—	—
p Edinburgh	441	43	14, 15	31	121314	40·9	33·4	37·2	- 1·2	4	0·51	13	+ 3	Edinburgh	2·2	- 0·8	23	4	23	—	—	—	—
a West Linton	769	47	12th	23	13th	41·7	27·6	34·7	- 0·8	6	0·87	22	—	West Linton	—	—	—	7	20	—	—	—	—
a Marchmont	498	44	15th	27	13, 14	39·0	29·3	34·2	- 3·1	5	0·81	21	+ 8	Marchmont	1·2	- 1·4	13	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	47	15, 16	23	12th	43·7	30·6	37·2	—	7	2·44	62	—	Ford (Argyll)	—	—	—	6	23	37·9	—	41·2	—
t Renfrew	49	47	15th	25	12th	42·6	31·9	37·3	—	6	0·93	24	—	Renfrew	1·2	—	13	4	17	—	—	—	—
b Rothesay	200	46	16th	32	131418	42·4	34·1	38·3	- 1·7	7	2·04	52	+24	Rothesay	2·0	—	21	4	23	37·4	—	42·0	+0·4
a Kilmarnock	90	49	15th	28	13th	44·4	33·9	39·2	+0·5	6	1·56	40	+19	Kilmarnock	2·1	—	22	—	—	37·4	—	41·7	—
a Colmonell	170	47	121418	30	13th	45·0	35·1	40·1	+1·2	6	1·28	33	+ 7	Colmonell	—	—	—	3	26	—	—	—	—
p Dumfries	160	45	15, 16	26	12, 13	42·4	30·9	36·7	- 2·2	6	0·53	14	- 7	Dumfries	1·7	—	17	4	19	35·7	- 2·2	39·7	- 0·4
t Eskdalemuir	794	44	15, 16	24	12th	39·7	28·7	34·2	—	6	1·09	28	—	Eskdalemuir	1·9	—	20	5	18	—	—	—	—
b, I. OF MAN *h* Douglas	284	48	16th	34	121314	43·7	37·0	40·4	- 0·4	5	1·32	34	+11	Douglas	2·6	0·0	27	2	28	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	44	14, 16	28	12th	41·1	31·7	36·4	- 2·2	5	0·41	11	- 1	Cockle Park	1·8	- 1·1	19	6	21	34·2	- 2·3	38·5	- 0·6
t Tynemouth	118	45	16th	30	12th	42·1	34·0	38·1	- 1·1	4	0·48	12	+ 3										
p Durham	336	44	18th	26	12th	41·3	31·1	36·2	- 1·8	6	0·48	12	+ 4	Durham	2·4	- 0·1	25	6	19	—	—	—	—
a North *p* Rounton	249	45	16th	25	12th	41·6	31·7	36·7	- 1·3	4	0·40	10	0	Rounton	—	—	—	7	16	34·9	—	—	—
a West Witton	605	44	16th	24	12th	40·3	31·1	35·7	—	4	0·64	16	—	West Witton	—	—	—	5	19	33·4	—	38·2	—
h Scarborough	118	49	14th	31	13, 14	43·6	34·6	39·1	- 0·6	4	0·25	6	- 5	Scarborough †	2·7	+0·2	28	—	—	—	—	39·2	—
p York	56	46	16th	28	12th	43·3	33·1	38·2	- 1·0	4	0·27	7	- 2	York	2·2	+0·1	22	—	—	36·3	- 2·1	40·8	- 0·1
t Spurn Head	26	44	16, 17	32	13th	42·1	35·1	38·6	- 0·6	3	0·37	10	+ 2	Spurn Head	2·1	—	22	—	—	—	—	—	—
b, South *a* Lincoln	58	49	16th	27	14th	43·1	32·7	37·9	- 1·0	4	0·40	10	+ 1	Lincoln	—	—	—	4	23	34·8	- 2·5	40·2	- 0·3
t Cranwell	237	49	16th	26	12th	42·0	31·9	37·0	- 1·8	3	0·38	10	+ 1	Cranwell	1·9	- 1·0	19	4	19	—	—	—	—
														Skegness	2·6	- 0·4	27	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	51	17th	29	13th	43·6	32·0	37·8	- 1·0	3	0·40	10	+ 1	Cromer	2·5	- 0·3	26	—	—	—	—	—	—
a Little Massingham	277	49	17th	27	14th	42·4	32·3	37·4	- 0·4	3	0·68	17	+ 4	Lit Massingham	2·0	- 0·4	21	—	—	—	—	—	—
t Yarmouth	13	51	17th	29	14th	43·3	34·9	39·1	+0·7	4	0·83	21	+10	Yarmouth	2·3	—	24	2	26	38·3	- 0·7	41·6	- 1·0
a Norwich	93	51	17th	28	14th	43·3	32·7	38·0	- 0·7	5	0·68	17	+ 5	Norwich	2·2	—	23	4	22	34·6	—	—	—
a Geldeston	37	52	17th	25	14th	45·4	31·4	38·4	- 0·7	3	0·52	13	+ 3	Geldeston	2·4	- 0·2	24	—	—	—	—	—	—
p Cambridge	41	53	17th	23	14th	45·4	32·1	38·8	- 0·2	4	0·29	7	- 2	Cambridge	2·0	- 0·6	21	4	20	36·8	- 2·1	41·7	- 0·3
t Clacton-on-Sea	54	46	17th	30	14th	42·7	36·6	39·7	+1·1	4	0·26	7	- 2	Clacton-on-Sea	2·7	- 0·2	28	2	24	38·5	- 1·6	42·1	- 1·0
a Rothamsted	420	49	16, 17	26	12, 14	43·3	32·6	38·0	- 0·4	5	0·43	11	- 2	Rothamsted	2·3	- 0·2	23	5	17	35·9	—	—	—
p Tottenham	51	53	17th	28	12th	46·0	36·4	41·2	—	4	0·27	7	—	Tottenham	2·0	—	21	—	—	—	—	42·0	- 0·9
														Southend	3·2	—	33	2	27	38·6	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	46	16th	24	12th	40·7	31·6	36·2	- 1·5	5	0·48	12	- 2	Harrogate	2·4	- 0·2	24	5	25	35·2	- 2·7	39·0	- 0·6
a North *p* Sheffield	429	50	16th	26	12th	42·3	33·0	37·7	—	6	0·39	10	—	Sheffield	1·6	- 0·8	16	3	19	34·2	- 3·4	39·3	- 1·4
p Buxton	987	47	16th	24	12th	41·7	31·1	36·4	+0·3	6	1·07	27	+ 2	Buxton	0·9	—	9	5	18	33·8	- 3·3	39·5	- 1·3
a Worksop	56	49	16, 17	21	12th	43·7	31·3	37·5	- 1·5	5	0·28	7	- 3	Worksop	1·2	- 0·9	13	5	16	35·5	—	39·9	—
t Nottingham	82	50	16th	28	12, 14	42·7	33·6	38·2	- 0·7	5	0·44	11	+ 1	Nottingham	0·5	- 1·7	5	5	20	34·7	- 2·6	37·0	- 2·1
b, East *p* Birmingham, Edgbsn.	525	49	16th	27	12th	42·6	32·9	37·8	- 1·1	5	0·43	11	0	Birmingham	1·4	- 0·4	15	4	22	37·5	- 2·0	43·6	+0·2
a Raunds	213	51	16, 17	24	14th	44·6	32·4	38·5	+0·2	4	0·47	12	+ 2	Raunds	1·7	—	18	4	18	37·1	—	—	—
p Oxford	208	52	16th	27	12, 14	44·3	33·9	39·1	- 0·6	5	0·53	13	+ 2	Oxford	2·1	- 0·4	21	4	19	—	—	—	—
														Malvern	1·8	—	19	4	22	36·1	—	40·5	—
a Cheadle (N. Staffs.)	646	48	16th	26	12, 14	41·0	30·7	35·9	- 1·9	5	0·46	12	- 2	Cheadle	—	—	—	5	18	—	—	—	—
c, West *p* Tenbury	313	51	16th	21	12th	43·6	32·1	37·9	- 1·6	5	0·85	22	+13	Tenbury	—	—	—	4	17	36·5	—	—	—
a Hereford	291	52	16th	25	12th	44·3	32·6	38·5	- 0·9	4	0·54	14	+ 1	Ross on Wye	1·7	—	17	4	18	36·3	—	41·2	—
a Clifton	225	53	16th	28	12, 13	45·0	30·6	37·8	- 2·7	5	0·84	21	+ 5	Clifton	1·6	—	16	5	26	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	51	16th	18	14th	44·4	30·9	37·7	- 0·9	6	0·73	19	+ 2	Worthing	2·9	- 0·3	29	2	22	39·4	- 1·1	44·0	+0·4
a Porton	340	50	16th	19	14th	44·4	32·1	38·3	—	5	0·72	18	—	Marlborough	1·8	- 0·4	19	4	17	38·4	—	43·8	—
a Wisley, Surrey	150	52	17th	26	12th	46·0	34·6	40·3	+0·8	5	0·43	11	- 1	Porton	—	—	—	4	13	37·2	—	—	—
h Tunbridge Wells	354	53	16th	25	12, 14	46·1	34·7	40·4	+1·3	3	0·55	14	- 2	Wisley, Surrey	2·9	+0·5	30	3	15	37·6	- 1·8	41·8	- 0·4
h Margate	51	51	16, 17	31	12th	45·4	37·4	41·4	+1·2	3	0·16	4	- 6	Tunbridge Wells	3·3	+0·6	33	5	13	39·3	—	42·6	—
														Margate	3·5	+0·8	36	2	26	38·9	- 1·5	41·9	- 0·7
t Dungeness	21	49	17th	28	14th	46·0	37·9	42·0	+2·0	3	0·46	12	+ 1	Folkestone	3·8	—	38	1	29	—	—	46·4	—
h St. Leonards	178	49	13, 17	30	12th	45·6	38·0	41·8	+1·4	3	0·54	14	0	St. Leonards	3·6	+0·5	36	2	25	39·0	—	43·2	—
p Southampton	64	51	16th	27	14th	48·1	36·6	42·4	+1·0	5	0·46	12	- 4	Southampton	1·6	- 1·2	17	4	15	—	—	—	—
a Ventnor	59	51	13th	34	12, 14	48·3	37·6	43·0	+0·8	4	0·54	14	0	Ventnor	2·4	- 0·8	24	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	52	17th	28	14th	45·0	36·9	41·0	+0·8	3	0·36	9	- 2	Richmond	2·9	+0·7	30	2	17	36·5	- 2·6	42·8	+0·1
a Westminster	27	53	17th	26	14th	46·3	34·6	40·5	- 0·3	3	0·39	10	0	Westminster	2·2	+0·7	22	4	21	—	—	—	—
a Greenwich	149	54	16th	26	14th	46·4	33·9	40·2	+0·3	3	0·39	10	- 1	Greenwich	2·3	+0·2	24	4	15	—	—	—	—
a Hampstead	450	49	16, 17	27	12th	43·3	34·4	38·9	—	3	0·36	9	—	Hampstead	2·4	—	24	5	17	—	—	—	—
ag Camden Square	110	53	17th	26	12, 14	46·0	33·4	39·7	- 0·4	4	0·35	9	- 2	Camden Square	—	—	—	3	23	36·5	—	41·9	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	47	12, 16	27	13, 14	42·9	32·3	37·6	- 1·0	6	0·52	13	- 6	Aspatria	1·8	- 0·8	19	3	22	37·1	- 1·8	41·1	- 0·8
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	46	16, 17	28	12, 13	41·3	33·3	37·3	- 1·2	6	0·85	22	+ 1	Stonyhurst	1·2	- 1·1	12	3	24	—	—	—	—
h Blackpool	66	47	16, 17	27	12th	43·4	34·6	39·0	- 0·3	6	0·69	18	+ 4	Blackpool	2·3	- 0·5	24	3	22	38·1	—	42·8	—
h Southport	37	47	16, 17	26	12th	42·7	34·3	38·5	- 1·1	6	0·76	19	+ 6	Southport	2·0	- 0·7	21	3	22	35·2	- 2·3	39·0	- 0·9
														Hoylake	1·9	- 0·7	20	—	—	—	—	—	—
t Liverpool (Bidston)	188	49	16th	28	13th	43·4	34·6	39·0	- 0·9	6	0·46	12	+ 1	Liverpool	1·9	—	19	5	23	—	—	—	—
a Hawarden Bridge	22	53	16th	28	12th	46·6	35·3	41·0	+0·3	3	0·30	8	- 1	Manchester City	0·4	- 1·1	4	3	24	35·2	- 2·7	41·1	- 0·8
p Manchester (Whit. Pk.)	125	49	16th	27	14th	43·9	33·1	38·5	- 1·7	6	0·55	14	+ 2	„ Whit Pk.	0·5	- 1·0	5	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	49	16th	27	12th	44·0	35·6	39·8	- 1·9	5	0·52	13	0	Llandudno	2·1	- 0·6	21	—	—	—	—	—	—
t Holyhead	15	49	16th	34	12, 13	45·0	38·6	41·8	+0·3	5	0·98	25	+10	Holyhead	2·9	—	30	1	30	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 7h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	48	14th	28	12th	45·6	37·0	41·3	—	5	0·67	17	—	Aberystwyth	2·0	- 0·6	20	—	—	—	—	—	—
a Rhayader	757	50	16th	22	12th	44·3	31·6	38·0	—	5	0·74	19	—	Rhayader ..	1·4	—	14	3	12	—	—	—	—
t Pembroke	149	49	16th	33	12, 13	44·7	40·0	42·4	0·0	6	0·80	20	+ 2	Pembroke ..	2·4	- 0·4	25	—	—	—	—	—	—
p Cardiff	202	51	16th	28	12th	45·3	34·9	40·1	- 0·1	5	0·92	23	+ 3	Cardiff ..	1·5	—	15	4	21	38·0	- 1·8	43·1	+0·4
b, ENGLAND, S.W.																							
h Bath	66	54	16th	25	14th	45·4	34·6	40·0	- 0·5	4	0·61	15	+ 1	Bath	1·7	- 1·0	17	—	—	38·3	—	43·1	—
a Shaftesbury	722	49	16th	26	12, 13	43·4	32·6	38·0	- 0·8	6	0·61	16	0	Shaftesbury ..	—	—	—	—	—	37·2	—	42·2	—
a Arlington	613	50	16th	27	12th	44·7	34·1	39·4	- 0·4	6	1·87	47	+21										
h Newquay	190	53	16th	32	12th	47·5	39·9	43·7	+0·2	6	0·57	15	- 2	Newquay ..	2·1	- 0·8	21	—	—	43·7	—	47·2	—
a Cullompton	202	55	16th	26	13, 14	47·4	34·0	40·7	- 0·1	5	0·50	13	- 6	Cullompton ..	1·6	- 0·9	17	5	16	40·2	—	—	—
t Portland Bill	19	51	16th	35	14th	47·9	39·6	43·8	+1·5	4	0·36	9	- 4	Weymouth ..	1·7	—	17	—	—	—	—	—	—
p Plymouth	116	52	16, 17	31	14th	48·4	38·6	43·5	+0·8	5	0·45	11	- 8	Plymouth ..	1·4	- 1·4	14	2	27	41·4	- 0·8	46·1	—
h Falmouth	167	52	16th	35	13th	48·1	40·1	44·1	+0·5	7	0·89	23	- 2	Falmouth ..	1·3	- 1·8	13	2	28	44·1	—	46·8	—
9. IRELAND, N.																							
t Malin Head	71	47	16th	34	13th	44·3	37·9	41·1	+0·5	7	1·57	40	+26	Malin Head ..	2·7	—	29	—	—	—	—	—	—
t Blacksod Point ..	10	50	15th	32	18th	45·9	38·9	42·4	+0·3	7	1·69	43	+20										
a, West .. *a* Mallarany ..	120	51	15, 18	32	17th	47·3	37·7	42·5	—	7	2·07	53	—	Mallarany ..	1·1	—	11	3	26	—	—	—	—
p Markree Castle.. ..	122	50	16th	32	18th	45·9	36·0	41·0	+1·0	7	1·19	30	+10	Markree Castle	1·6	- 0·8	17	2	27	42·3	+1·4	45·0	+1·5
p Armagh..	204	49	16th	31	14th	44·9	34·1	39·5	- 0·3	6	0·64	16	+ 3	Armagh ..	3·7	+1·3	39	5	25	40·9	+0·8	44·0	+1·3
b, East .. *t* Donaghadee	35	47	15, 16, 17	32	14th	45·3	36·9	41·1	+0·5	6	1·00	25	+12										
														Trinity Coll.	—	—	—	4	27	40·7	- 0·8	44·2	+0·6
														Phœnix Park	3·1	+0·4	32	3	19	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	51	16th	31	12th	45·6	36·3	41·0	- 1·1	4	0·37	9	- 3	Dublin City ..	—	—	—	3	27	—	—	—	—
t Birr Castle	175	49	16th	30	18th	45·9	37·1	41·5	+1·1	6	0·36	9	- 6	Birr Castle ..	2·4	- 0·1	25	4	22	—	—	—	—
a Kilkenny	195	50	15, 16	29	14th	46·9	35·4	41·2	+0·4	5	0·39	10	- 6										
a Waterford	137	51	17th	32	18th	48·6	37·3	43·0	+0·9	4	0·32	8	- 12										
p Seskin, Carrick-on-Suir	542	51	16th	32	18th	46·7	36·3	41·5	—	6	0·31	8	—	Seskin ..	4·2	—	42	3	29	—	—	—	—
a Foynes	50	52	15th	31	13th	47·9	37·3	42·6	+0·4	6	0·83	21	+ 1										
t Cahirciveen (Val. Obs.)	30	50	15, 16	36	14th	47·7	42·1	44·9	+0·9	7	1·43	36	+ 3	Cahirciveen ..	1·6	- 1·0	16	0	31	—	—	—	—
x Killarney	174	53	18th	34	14, 18	49·1	38·4	43·8	+1·1	6	0·96	24	- 9	Ballinacurra	3·2	+0·3	32	—	—	—	—	—	—
t Roche's Point	32	49	15, 16	33	14th	47·3	40·7	44·0	+0·7	7	0·69	18	- 5										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	52	16th	41	12, 18	49·6	43·6	46·6	+1·2	7	0·59	15	- 3	Scilly ..	2·0	- 1·2	20	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	51	16, 17	32	12th	47·3	38·9	43·1	- 0·1	4	0·80	20	+ 2	St. Heliers ..	1·8	- 1·7	18	—	—	—	—	—	—
p Guernsey† ..	173	52	16, 18	34	12th	49·4	40·3	44·9	+1·2	4	0·65	16	- 3	Guernsey ..	1·7	- 1·6	17	3	25	41·7	- 1·5	45·7	+0·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 18th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	13, 15, 16	17	72	67	12	0	160	34	15	16	6	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*			Defective	records														
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	24	119	25	0	320	18	8	18	14	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	70	66	32	0	230	24	11	18	1	36	16	17	22	25
b. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	17, 18	7	28	65	68	0	250	30	13	18	1	41	18	18	0	55
Paisley	188	81	15	—	0	—	0	19	102	39	8	300	15	7	18	15	44	20	18	13	5
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	23	114	31	0	240	19	9	18	2	35	16	18	0	55
South Shields	72	61	12	—	0	—	0	56	81	31	0	160	23	10	12	20	37	17	17	19	45
Spurn Head	67	41	‡	—	0	13, 14, 18	16	99	49	4	0	270	34	15	18	13	46	20	18	10	40
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	12	9	70	88	1	0	130	28	12	12	5	36	16	18	6	35
Shoeburyness	103	90	‡	—	0	12, 18	3	69	78	17	1	—	29	13	18	5	44	20	18	5	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	24	95	49	0	230	22	10	15	11	31	14	15	9	45
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	55	92	21	0	—	24	11	18	5	49	22	18	4	30
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	69	89	10	0	280	23	10	18	13	32	14	18	2	45
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	30	106	32	0	200	18	8	15	11	34	15	18	4	15
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	17, 18	11	57	91	9	0	270	29	13	18	9	—	—	—	—	—
Southport	80	62	48	—	0	17, 18	14	51	95	8	0	240	32	14	17	16	44	20	17	16	15
Holyhead	60	40	‡	—	0	13, 17, 18	24	72	60	12	0	240	31	14	17	15	47	21	17	14	55
8. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	—	0	14 to 18	20	79	40	22	7	250	35	16	17	24	74	33	17	23	10
Plymouth	185	88	2	—	0	14 to 17	7	34	91	36	0	—	27	12	17	24	40	18	17	23	45
Lyme Regis	556	61	‡	—	0	—	0	18	63	87	0	—	19	9	18	2	37	17	18	0	35
																			18	1	35
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	17	2	13, 15, 17, 18	16	53	74	23	0	250	44	20	17	13	—	—	—	—	—
Quilty	100	40	‡‡‡‡‡	—	0	12, 17	6	76	72	14	0	—	28	13	17	8	45	20	17	8	10
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡‡	—	0	—	0	78	79	11	0	300	22	10	17	6	43	19	17	12	35
Weaver Pt.	160	30	‡	—	0	12	3	72	68	10	15	—	27	12	23	12	43	19	17	12	40
11. ENGLISH CHANNEL																					
Scilly (Cup Anr.) ..	150	19	—	—	0	17, 18	15	82	63	8	0	280	34	15	18	2	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. §Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTH WEEK of 1922—February 12th to February 18th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	48	25	41·3	32·7	37·0	− 0·9	0	− 8	35	− 3	6	+ 1	0·93	24	− 7	2·4	+0·3	26	1005
Eastern.																			
1. SCOTLAND, EAST ..	48	23	40·5	31·2	35·9	− 1·6	0	− 9	43	− 1	5	+ 1	0·81	20	+ 6	1·6	− 1·2	17	1006
2. ENGLAND, N.E. ..	49	25	42·2	32·9	37·6	− 1·3	1	− 10	31	− 2	4	0	0·38	10	+ 1	2·3	− 0·4	23	1009
3. ENGLAND, EAST ..	53	23	43·9	33·4	38·7	0·0	5	− 8	28	− 8	4	0	0·49	12	+ 1	2·3	− 0·4	23	1011
4. MIDLAND COUNTIES	53	21	43·3	32·2	37·7	− 1·1	4	− 10	34	− 3	5	+ 1	0·53	13	+ 1	1·6	− 0·8	16	1011
5. ENGLAND, S.E. ..	53	18	45·9	35·7	40·8	+ 0·6	11	− 4	19	− 9	4	0	0·50	13	− 1	2·9	+0·1	29	1012
Western.																			
6. SCOTLAND, WEST ..	49	23	43·5	33·4	38·5	− 0·9	4	− 7	29	− 2	6	+ 1	1·44	37	+10	—	—	—	1007
7. ENGLAND, N.W. ..	53	26	43·8	34·7	39·2	− 0·6	5	− 7	25	− 3	5	+ 1	0·62	16	+ 1	1·8	− 0·7	18	1009
8. ENGLAND, S.W. ..	55	22	46·0	36·0	41·0	− 0·3	11	− 7	18	− 5	5	+ 1	0·78	20	0	1·7	− 1·0	18	1012
9. IRELAND, NORTH ..	50	30	45·4	36·8	41·1	+ 0·6	10	− 6	16	− 9	7	+ 2	1·09	28	+11	2·7	+0·3	28	1007
10. IRELAND, SOUTH ..	53	29	47·4	38·1	42·8	+ 0·7	17	− 5	11	− 8	6	+ 2	0·67	17	− 4	2·8	+0·2	28	1010
11. ENGLISH CHANNEL.	52	32	48·8	40·9	44·9	+ 0·7	23	− 2	3	− 6	5	0	0·68	17	− 2	1·8	− 1·5	18	1013
MEAN: DISTRICTS 1-10	55	18	44·2	34·4	39·3	− 0·4	7	− 7	25	− 5	5	+ 1	0·73	19	+ 3	2·2	− 0·4	22	1009

THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, November 27th, 1921, to February 18th, 1922.

0. SCOTLAND, NORTH ..	56	18	43·6	35·2	39·5	+ 1·0	74	− 19	285	−109	62	− 1	15·75	400	− 6	0·8	− 0·1	11	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	8	42·4	33·6	38·2	+ 0·6	68	− 23	391	− 82	58	+ 9	7·75	196	+ 7	1·3	− 0·2	17	1008
2. ENGLAND, N.E. ..	58	12	43·9	34·6	39·4	+ 0·4	116	+ 3	337	− 41	50	+ 4	5·83	149	+13	1·6	+ 0·1	19	1012
3. ENGLAND, EAST ..	59	16	44·6	34·5	39·7	+ 0·9	123	− 3	321	− 82	48	− 1	6·47	164	+25	1·7	0·0	20	1014
4. MIDLAND COUNTIES	59	11	44·8	34·2	39·7	+ 0·9	130	− 6	331	− 92	51	+ 2	6·95	176	+12	1·4	− 0·1	17	1014
5. ENGLAND, S.E. ..	59	17	46·2	36·6	41·5	+ 1·0	173	− 4	212	− 96	51	+ 4	6·74	171	− 10	1·8	+ 0·1	21	1015
Western.																			
6. SCOTLAND, WEST ..	55	15	45·1	36·2	40·8	+ 0·9	133	− 1	234	− 77	66	+ 8	16·29	414	+73	—	—	—	1010
7. ENGLAND, N.W. ..	58	20	45·6	37·0	41·4	+ 1·1	156	+ 14	204	− 97	58	+ 6	10·00	255	+28	1·5	+ 0·1	19	1012
8. ENGLAND, S.W. ..	57	13	47·7	38·5	43·2	+ 1·3	237	+ 19	132	− 98	58	+ 4	9·27	236	− 48	1·6	− 0·1	19	1014
9. IRELAND, NORTH ..	57	22	47·8	39·6	43·8	+ 2·8	252	+ 80	104	−162	68	+ 7	10·98	279	+28	1·6	+ 0·1	20	1009
10. IRELAND, SOUTH ..	60	23	49·7	40·8	45·4	+ 2·8	350	+ 92	66	−141	62	+ 4	10·50	266	− 18	1·7	0·0	20	1012
11. ENGLISH CHANNEL..	58	28	50·3	43·8	47·2	+ 2·1	459	+115	26	− 54	61	+ 1	8·05	204	− 40	1·8	− 0·3	21	1015
MEAN: DISTRICTS 1-10..	60	8	45·8	36·6	41·3	+ 1·3	174	+ 17	233	− 97	57	+ 5	9·08	231	+11	1·6	0·0	19	1012

THE YEAR. Aggregates, &c., for the Period of 7 Weeks, January 1st to February 18th, 1922.

0. SCOTLAND, NORTH ..	55	18	41·8	34·1	38·0	0·0	8	− 38	204	− 48	34	− 2	6·14	156	− 71	1·0	− 0·1	13	1006
Eastern.																			
1. SCOTLAND, EAST ..	57	8	39·7	31·8	35·9	− 1·3	0	− 48	300	+ 6	34	+6	4·47	113	+12	1·2	− 0·5	15	1008
2. ENGLAND, N.E. ..	57	12	40·9	32·1	36·7	− 1·7	14	− 46	276	+35	31	+5	4·14	106	+37	1·5	− 0·3	18	1010
3. ENGLAND, EAST ..	57	16	42·6	32·8	37·8	− 0·4	30	− 34	237	− 22	30	+2	4·84	123	+51	1·8	− 0·2	21	1011
4. MIDLAND COUNTIES	58	11	42·6	31·9	37·3	− 0·9	30	− 42	260	− 6	31	+3	4·69	118	+33	1·6	− 0·1	18	1011
5. ENGLAND, S.E. ..	57	17	44·7	34·9	40·0	+ 0·4	62	− 24	161	− 43	32	+5	4·72	121	+30	2·2	+ 0·3	25	1012
Western.																			
6. SCOTLAND, WEST ..	54	15	42·7	34·4	38·6	− 0·6	22	− 45	189	− 12	38	+4	8·87	225	+43	—	—	—	1009
7. ENGLAND, N.W. ..	58	20	43·3	34·8	39·2	− 0·4	36	− 34	176	− 19	32	+3	5·61	143	+25	1·7	+ 0·1	20	1009
8. ENGLAND, S.W. ..	57	13	46·2	36·6	41·6	+ 0·5	93	− 17	113	− 43	33	+3	6·18	158	+16	2·0	+ 0·1	22	1011
9. IRELAND, NORTH ..	57	22	46·1	37·8	42·1	+ 1·5	92	− 2	88	− 81	39	+4	6·77	172	+36	2·0	+ 0·4	24	1007
10. IRELAND, SOUTH ..	60	23	48·0	38·9	43·6	+ 1·5	140	0	63	− 69	37	+4	6·84	173	+21	2·0	+ 0·1	23	1008
11. ENGLISH CHANNEL..	56	28	49·0	41·9	45·5	+ 1·3	198	+29	26	− 35	36	+2	5·41	137	+17	2·4	0·0	26	1012
MEAN: DISTRICTS 1-10 ..	60	8	43 7	34·6	39·3	− 0·1	52	− 29	186	− 25	34	+4	5·71	145	+30	1·8	0·0	21	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th February, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE
4 MAR 1922
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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 8.

EIGHTH WEEK.
SUNDAY, FEBRUARY 19TH, TO SATURDAY, FEBRUARY 25TH, 1922.

Price 6d. Net. Post free 7d.
Annual Subscription (including the Monthly Weather Report). £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week unsettled conditions again prevailed over the country generally. The winds were mainly westerly or south-westerly, reaching gale force in places. Rain fell in most parts of the British Islands, accompanied, at times, by hail and snow, and occasionally by thunder and lightning. There were one or two very bright days, in fact at a large number of stations more than 9 hours of sunshine were recorded, notably on the last day of the week. Amongst the largest amounts were 10·0 hours at Felixstowe, 9·9 hours at Clacton (more than 95 per cent. of the possible at each of these stations), and 9·5 hours or slightly above at Cromer, Eastbourne, Folkestone, Greenwich, St. Leonard's, Shoeburyness and Worthing. Mean temperature was above the normal in all districts. The mean daily range of temperature varied a good deal, but at one or two stations it was as much as 15°F. The highest temperature usually occurred on the 24th or 25th, when maxima of 60°F. were reached in several places, the actual highest being 62°F. at Lincoln on the 25th. There were no very low screen minimum temperatures recorded, amongst the lowest being 26°F. at Strathpeffer on the 20th and 28°F. at Porton (Salisbury Plain) on the 19th. Ground frosts were frequent and a number of stations registered readings below 25°F., while at Tunbridge Wells, Southampton and Cullompton (Devon) readings of 21°F. were obtained. Precipitation (rain or snow) was above the normal in all districts except England NE. Heavy individual falls were not numerous over England, but towards the end of the week there were one or two large measurements in Scotland and Ireland, Killarney having 23mm. on the 25th and the total amount for the two days 24th and 25th at Fort William was as much as 106mm. and at Ford (Argyll) 53mm. Aurora was seen at Dublin on the 19th. Solar halos were observed at Oxford on the 21st and 23rd; a brilliant circum-zenithal arc was observed at Lympne on the 21st. The Zodiacal Light was witnessed at Ross-on-Wye on the 19th and 25th, at Tenbury on the 21st and 24th and at Oxford on the 20th, 21st and 25th.

As will be seen from the table on p. 32 the mean temperature for the winter season has been above the normal in all parts of the British Isles. In Ireland N. and S. and the English Channel districts 8 weeks out of 13 have been classified as unusually warm for the time of year. Rainfall for the same period was in excess of the normal in most districts, while sunshine was about normal.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	23	17	7·8	27	20	8·8	25	13	5·7	27	10	4·6	27	15	6·9	21	15	6·8	27	14	6·3	25	15	6·7
North	2	8	3·6	0	—	—	2	3	1·5	0	—	—	0	—	—	3	8	3·6	0	—	—	1	3	1·2
West	16	10	4·5	24	11	5·1	28	10	4·6	27	7	3·3	26	12	5·4	26	21	9·4	22	13	5·9	21	15	6·7
East	6	11	4·7	4	6	2·7	0	—	—	0	—	—	0	—	—	1	10	4·6	3	9	4·2	5	2	1·0
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—
No record	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Very Heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Very Heavy	Very Heavy	Moderate
	Sunshine ..	Moderate	Moderate	Abundant	Abundant	Abundant	Moderate	—	Abundant	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. *13* weeks from Nov. 27th, 1921.	Warmth ..	3, 9, 1	4, 7, 2	6, 3, 4	7, 3, 3	6, 3, 4	5, 6, 2	6, 5, 2	6, 4, 3	6, 6, 1	8, 4, 1	8, 4, 1	8, 4, 1
	Rainfall ..	4, 5, 4	6, 3, 4	3, 5, 5	8, 2, 3	5, 5, 3	3, 7, 3	8, 2, 3	5, 4, 4	3, 7, 3	7, 3, 3	5, 4, 4	2, 7, 4
	Sunshine ..	2, 7, 4	3, 5, 5	5, 5, 3	4, 3, 6	5, 3, 5	3, 6, 4	—	5, 8, 0	2, 6, 5	4, 6, 3	1, 7, 5	2, 2, 9

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	49	25th	32	21st	44·0	35·7	39·9	+1·8	7	1·65	42	+25										
p Deerness, Orkney	165	49	24th	31	20th	44·4	35·1	39·8	+1·3	6	0.96	24	+ 8	Deerness	2·2	- 0·1	22	—	—	—	—	—	—
a Islands — *t* Stornoway	51	51	24th	31	20th	45·9	35·1	40·5	+1·4	7	1·64	42	+19	Stornoway	2·0	- 0·5	20	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	52	24th	29	20th	44·3	34·4	39·4	+1·4	5	0·59	15	+ 3										
a Strathpeffer	125	53	24th	26	20th	44·6	30·7	37·7	- 0·1	5	1·48	38	+24										
b, Main- — *p* Glencarron	500	53	24th	30	20th	44·6	31·9	38·3	+1·1	7	2·90	74	+33										
land. — *a* Fort Augustus	68	50	24th	29	19th	43·6	31·7	37·7	- 0·3	7	3·38	86	+65										
p Fort William	171	56	24th	31	20th	46·1	35·0	40·6	+1·5	7	5·89	150	+112										
1. SCOTLAND, E.																							
t Nairn	82	56	24th	30	20th	44·9	33·6	39·3	+1·5	4	0·72	18	+ 7	Nairn	3·6	—	36	—	—	—	—	—	—
p Gordon Castle	101	60	24th	31	20th	48·1	34·9	41·5	+2·7	3	0·37	9	- 3	Gordon Castle	4·1	—	41	—	—	—	—	—	—
t Aberdeen	46	56	24th	33	19, 20	47·1	36·9	42·0	+3·5	3	0·31	8	- 5	Aberdeen	3·1	+0·3	31	4	27	—	—	39·9	+0·6
a Balmoral	930	52	24th	28	20th	43·0	32·3	37·7	+3·1	6	0·75	19	+ 3	Balmoral	—	—	—	6	22	—	—	—	—
p Crieff	432	52	24th	28	20th	44·1	32·3	38·2	- 0·1	7	1·48	38	+18	Crathes	3·5	+0·6	35	6	25	36·2	—	38·6	—
a Dundee	244	57	25th	30	192022	47·3	33·9	40·6	+2·8	6	0·37	9	- 2	Dundee	2·5	—	25	6	24	35·1	—	—	—
t Inchkeith (F. of Forth)	190	54	24th	31	20th	46·6	36·7	41·7	—	4	0·44	11	—	Inchkeith (F. of Forth)	3·7	—	37	0	31	—	—	—	—
p Edinburgh	441	54	24th	30	20th	46·7	36·6	41·7	+3·2	6	0·56	14	+ 5	Edinburgh	3·8	+0·8	38	3	29	—	—	—	—
a West Linton	769	53	25th	28	20th	45·4	31·9	38·7	+3·1	7	1·29	33	—	West Linton	—	—	—	5	24	—	—	—	—
a Marchmont	498	54	24th	30	20, 22	46·3	34·3	40·3	+2·9	6	0·81	21	+ 8	Marchmont	2·4	- 0·2	24	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	54	24th	30	19th	46.9	35·6	41·3	—	7	3·47	88	—	Ford (Argyll)	—	—	—	3	25	38·5	—	41·2	—
t Renfrew	49	54	24th	32	20th	47·3	37·6	42·5	—	7	1.49	38	—	Renfrew	1·5	—	15	1	26	—	—	—	—
p Rothesay	200	52	23th	30	20th	45·7	36·6	41·2	+1·1	7	1·96	50	+28	Rothesay	1·5	—	15	3	27	39·0	—	41·4	- 0·2
a Kilmarnock	90	55	24th	32	20th	48·3	38·1	43·2	+4·4	6	1·44	37	+20	Kilmarnock	1·3	—	13	—	—	39·6	—	41·5	—
a Colmonell	170	54	23, 24	35	20th	48·9	39·4	44·2	+5·1	6	1·25	32	+11	Colmonell	—	—	—	0	32	—	—	—	—
p Dumfries	160	52	23, 25	32	19th	47·4	37·6	42·5	+3·4	6	1·28	33	+16	Dumfries	2·0	—	20	2	26	38·5	+0·2	39·8	- 0·4
t Eskdalemuir	794	49	23rd	30	19, 20	43·4	34·9	39·2	—	7	2·83	72	—	Eskdalemuir	1·2	—	12	3	26	—	—	—	—
b, I. OF MAN *h* Douglas	284	52	23rd	34	20th	47·9	39·6	43·8	+3·1	6	0·92	23	+ 5	Douglas	2·7	- 0·1	26	0	32	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	59	24th	30	22nd	49·1	36·7	42·9	+4·4	4	0·31	8	- 2	Cockle Park	3·9	+0·9	38	4	26	37·4	+0·5	38·6	- 0·7
t Tynemouth	118	58	25th	33	22nd	49·4	38·9	44·2	+5·2	2	0·25	6	- 1										
a North — *p* Durham	336	56	25th	31	20, 22	49.0	36·6	42·8	+4·8	6	0·22	6	- 1	Durham	4·1	+1·6	41	0	31	—	—	—	—
p Rounton	249	57	25th	30	20th	49·4	36·7	43·1	+5·2	5	0·20	5	- 3	Rounton	—	—	—	4	23	37·0	—	—	—
a West Witton	605	55	25th	33	192022	48·1	37·4	42·8	—	6	0·90	23	—	West Witton	—	—	—	4	26	35·3	—	38·0	—
h Scarborough	118	59	25th	34	202122	51·4	38·3	44·9	+5·2	5	0·37	9	0	Scarborough †	4·0	+1·4	39	—	—	—	—	39·7	—
p York	56	60	25th	33	22nd	50·4	39·0	44·7	+5·4	5	0·36	9	+ 1	York	3·1	+0·9	30	—	—	38·5	- 0·3	40·5	- 0·4
t Spurn Head	26	56	24th	34	22nd	49·4	37·9	43·7	+4·5	3	0·17	4	- 2	Spurn Head	4·7	—	46	—	—	—	—	—	—
b, South — *a* Lincoln	58	62	25th	32	19th	53·3	39·3	46·3	+7·2	4	0·18	5	- 2	Lincoln	—	—	—	2	27	38·3	+0·8	40·2	- 0·3
t Cranwell	237	60	25th	31	21, 22	52·4	37·4	44·9	+5·9	3	0·19	5	- 3	Cranwell	5·0	+2·0	48	3	28	—	—	—	—
														Skegness	4·4	+1·3	43	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	59	25th	32	22nd	51·7	37·1	44·4	+5·4	3	0·26	7	+ 1	Cromer	4·3	+1·1	42	—	—	—	—	—	—
a Little Massingham	277	59	25th	32	22nd	51·3	37·7	44·5	+6·3	3	0·39	10	+ 1	Lit Massingham	4·1	+1·4	40	—	—	—	—	—	—
t Yarmouth	13	58	23, 24	32	22nd	50·4	38·4	44·4	+5·7	3	0·16	4	- 3	Yarmouth	4·7	—	45	1	30	40·9	+1·4	42·1	- 0·6
a Norwich	93	59	24th	33	19, 22	52·4	38·6	45·5	+6·4	3	0·33	8	0	Norwich	4·6	—	45	3	29	38·5	—	—	—
a Geldeston	37	59	23, 24	31	19, 22	53·4	37·1	45·3	+6·0	3	0·18	5	- 2	Geldeston	4·6	+1·6	44	—	—	—	—	—	—
p Cambridge	41	61	24th	31	19th	54·1	39·0	46·6	+7·3	3	0·42	11	+ 5	Cambridge	4·9	+1·9	47	3	26	40·7	+1·3	42·0	- 0·1
t Clacton-on-Sea	54	56	23rd	33	19th	48·6	39·1	43·9	+5·0	3	0·37	9	+ 3	Clacton-on-Sea	4·0	+0·8	39	1	28	40·9	+0·3	43·0	- 0·3
a Rothamsted	420	57	25th	31	22nd	51·1	37·6	44·4	+5·7	5	0·72	18	+ 9	Rothamsted	4·1	+1·3	40	4	25	39·5	—	—	—
p Tottenham	51	59	25th	34	19th	53·3	43·1	48·2	—	4	0·70	18	—	Tottenham	3·3	—	32	—	—	—	—	42·4	- 0·5
														Southend	4·2	—	41	1	29	41·4	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	59	25th	32	20, 22	49 0	37·1	43·1	+5·6	4	0·92	23	+12	Harrogate	3·1	+0·3	30	4	28	37 8	- 0·2	39·0	- 0·6
a North — *p* Sheffield	429	59	25th	33	22nd	51·0	39·0	45·0	—	6	0·74	19	—	Sheffield	4·4	+1·9	43	1	29	37·4	- 0·4	39·0	- 1.6
p Buxton	987	56	25th	31	20th	48·6	36·9	42·8	+7·0	5	1·59	41	+21	Buxton	3·8	—	37	3	27	36·8	+0·1	38·5	- 1·9
a Worksop	56	61	23, 25	33	19, 21	53·7	38·4	46·1	+7·3	4	0·23	6	- 2	Worksop	3·9	+1·5	38	4	26	38·9	—	40·0	—
t Nottingham	82	61	25th	34	19, 22	52·4	39·7	46·1	+7·4	3	0·28	7	- 1	Nottingham	3·9	+1·5	38	4	26	39·2	+1·5	38·1	- 1·1
b, East — *p* Birmingham, Edgbsn.	525	59	25th	33	202122	51·6	38·4	45·0	+6·4	6	0·42	11	+ 2	Birmingham	4·3	+2·3	42	3	29	40·8	+1·2	43·5	+0·2
a Raunds	213	61	25th	32	19th	53·7	38·4	46·1	+7·8	4	0·19	5	- 3	Raunds	4·9	—	48	3	28	40·5	—	—	—
p Oxford	208	60	25th	33	19th	52·6	40·0	46·3	+6·8	5	0·44	11	+ 3	Oxford	3·6	+0·9	35	3	28	—	—	—	—
														Malvern	3·7	—	36	4	29	39·9	—	41·0	—
a Cheadle (N. Staffs.)	646	58	23, 25	31	19, 20	50·4	35·7	43·1	+5·5	4	0·39	10	- 1	Cheadle	—	—	—	4	24	—	—	—	—
s, West — *p* Tenbury	313	58	25th	32	19th	51·7	39·1	45·4	+6·1	7	0·80	20	+13	Tenbury	—	—	—	3	26	40·4	—	—	—
a Hereford	291	58	23rd	33	19, 20	53·0	38·3	45·7	+6·4	7	0·70	18	+ 8	Ross on Wye	3·0	—	29	2	27	41·0	—	41·9	—
a Clifton	225	56	25th	34	19th	50·6	38 0	44·3	+4·1	6	1·19	30	+18	Clifton	3·4	—	33	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	57	25th	29	19th	51·4	37 9	44·7	+6·2	6	0·91	23	+11	Worthing	3·6	+0·1	35	2	23	42·7	+1·8	43·9	+0·3
a Porton	340	59	25th	28	19th	51·6	36·9	44·3	—	6	0·99	25	—	Marlborough	2·9	+0·4	28	2	23	42·1	—	43·9	—
a Wisley, Surrey	150	58	25th	33	19th	52·6	40·1	46·4	+6·9	4	0·59	15	+ 6	Porton	—	—	—	3	22	40·9	—	—	—
h Tunbridge Wells	354	58	25th	32	19th	51·4	39·9	45·7	+6·6	5	0·44	11	- 1	Wisley, Surrey	3·6	+0·9	35	3	22	41·6	+1·8	42·4	+0·1
h Margate	51	58	23, 25	36	19, 22	52·4	41·7	47·1	+7·0	3	0·19	5	- 2	Tunbridge Wells	2·9	- 0·1	28	3	21	42·0	—	43·0	—
														Margate	3·7	+0·6	36	0	32	42·4	+1·5	43·0	+0·2
t Dungeness	21	54	25th	32	19th	49·1	41·9	45·5	+5·7	5	0·59	15	+ 7	Folkestone	3·5	—	34	0	32	—	—	46.0	—
h St. Leonards	178	53	25th	33	19th	49·3	41·0	45·2	+4·9	5	0·78	20	+10	St. Leonards	3·2	- 0·2	30	2	27	42·2	—	43·1	—
p Southampton	64	60	25th	32	19th	52·9	40·3	46·6	+5·3	6	0·66	17	+ 6	Southampton	3·3	+0·2	32	3	21	—	—	—	—
a Ventnor	59	54	25th	36	19th	51·0	41·7	46·4	+4·4	7	0·57	14	+ 4	Ventnor	3·4	- 0·1	32	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	58	25th	33	19th	52·4	41·3	46·9	+6·8	3	0·54	14	+ 6	Richmond	3·6	+1·1	35	2	27	41·2	+1·6	43·0	+0 2
a Westminster	27	60	25th	32	19th	54·1	40·9	47·5	+6·7	4	0·41	10	+ 2	Westminster	3·5	+1·8	34	3	26	—	—	—	—
ae Greenwich	149	60	23, 25	33	22nd	54.1	39·9	47·0	+7·1	4	0·39	10	+ 2	Greenwich	3·8	+1·4	37	2	28	—	—	—	—
a Hampstead	450	58	25th	28	21st	51·6	37·9	44·8	—	4	0·65	17	—	Hampstead	3.8	—	37	4	22	—	—	—	—
ag Camden Square	110	59	25th	32	19th	53·1	39·3	46·2	+6·1	5	0·57	14	+ 5	Camden Square	—	—	—	1	29	40·5	—	41·9	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	55	25th	31	21st	46·7	37·0	41·9	+3·4	6	1·47	37	+20	Aspatria	1·9	- 0·9	19	1	29	39·4	0 0	41·2	- 0·7
p Newton Rigg	559	57	24, 25	30	19th	48·3	36·6	42·5	+5·3	6	1·20	30	+13	Newton Rigg	2·9	+0·3	29	2	27	—	—	—	—
p Stonyhurst	375	56	25th	33	19, 22	49·0	38·1	43·6	+5·2	6	1·65	42	+23	Stonyhurst	2·6	+0·1	25	1	30	—	—	—	—
h Blackpool	66	58	25th	34	22nd	49 1	40 6	44 9	+5·7	7	0·91	23	+11	Blackpool	2·8	- 0·3	28	2	30	40 7	—	42·8	—
h Southport	37	59	25th	33	22nd	50 8	40·3	45·6	+6·1	6	0·96	24	+12	Southport	3·3	+0·3	32	2	29	39 3	+1·2	39·5	- 0 6
														Hoylake	4·5	+1·7	44	—	—	—	—	—	—
t Liverpool (Bidston)	188	59	25th	34	22nd	51·3	39·4	45·4	+5·5	7	0·54	14	+ 5	Liverpool	4·1	—	41	3	30	—	—	—	—
a Hawarden Bridge	22	61	25th	36	20, 22	53·7	41·4	47 6	+6 9	5	0·51	13	+ 5	Manchester City	2·4	+0·7	23	0	32	38·6	+0·3	40·8	- 1·0
p Manchester (Whit. Pk.)	125	61	25th	34	19, 21	52·0	40·0	46·0	+5·9	5	0·89	23	+12	.. Whit. Pk.	3·0	+1·3	30	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	61	25th	36	22nd	51.6	42·1	46·9	+5·5	5	0·91	23	+12	Llandudno	3·9	+1·0	38	—	—	—	—	—	—
t Holyhead	15	52	24, 25	38	20th	48·7	43·0	45·9	+4·7	6	0·84	21	+ 7	Holyhead	2 2	—	22	0	34	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 7h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	58	25th	36	20th	49·6	41·7	45·7	—	6	1·14	29	—	Aberystwyth	Hr. 2·5	Hr. - 0·4	% 25	°F. —	°F. —	°F. —	°F. —	°F. —	°F. —
a Rhayader	757	56	25th	32	19th	49·1	38·3	43·7	—	7	2·10	53	—	Rhayader ..	2·9	—	28	3	27	—	—	—	—
t Pembroke ..	149	51	25th	40	22nd	48·6	44·3	46·5	+4·8	6	1·30	33	+19	Pembroke ..	1·9	- 1·3	18	—	—	—	—	—	—
p Cardiff	202	54	24th	34	20, 23	50·0	38·7	44·4	+4·5	5	0·91	23	+ 7	Cardiff ..	2·7	—	26	3	26	41·7	+1·5	43·0	+0·3
b, ENGLAND, S.W.																							
h Bath	66	58	25th	32	19th	52·9	40·6	46·8	+6·6	6	0·59	15	+ 4	Bath	3·4	+0·3	33	—	—	41·9	—	43·3	—
a Shaftesbury	722	55	25th	31	22nd	49·3	37·6	43·5	+4·9	5	0·60	15	+ 3	Shaftesbury ..	—	—	—	—	—	42·0	—	43·3	—
a Arlington	613	56	25th	33	22nd	49·4	38·1	43·8	+4·4	6	1·62	41	+21										
h Newquay	190	55	25th	37	22nd	51·1	44·1	47·6	+4·7	6	1·03	26	+13	Newquay ..	1·5	- 1·7	15	—	—	45·9	—	47·2	—
a Cullompton	202	56	25th	32	20th	52·9	40·0	46·5	+6·0	6	0·87	22	+ 8	Cullompton ..	2·0	- 0·9	19	3	21	43·8	—	—	—
t Portland Bill	19	52	23, 24, 25	39	20th	49·4	42·7	46·1	+4·3	5	0·61	15	+ 5	Weymouth ..	2·8	—	27	—	—	—	—	—	—
p Plymouth	116	55	25th	37	20th	51·3	42·9	47·1	+4·9	6	0·83	21	+ 6	Plymouth ..	1·8	- 1·5	17	0	31	44·5	+1·9	46·2	—
h Falmouth	167	55	25th	37	22nd	51·3	43·4	47·4	+4·4	6	1·70	43	+24	Falmouth ..	1·6	- 1·9	15	0	32	46·0	—	47·1	—
9. IRELAND, N.																							
t Malin Head	71	55	24th	32	20th	46·3	39·4	42·9	+1·6	7	2·01	51	+37	Malin Head ..	2·6	—	26	—	—	—	—	—	—
t Blacksod Point ..	10	53	24th	32	20th	47·9	40·6	44·3	+1·6	7	1·85	47	+23										
a, West .. *a* Mallarany ..	120	53	23, 24	33	20th	49·3	38·9	44·1	—	7	3·07	78	—	Mallarany ..	1·4	—	14	1	30	—	—	—	—
p Markree Castle.. ..	122	57	24th	29	20th	48·9	36·1	42·5	+1·8	7	2·99	76	+56	Markree Castle	2·5	0·0	25	3	28	42·6	+1·2	44·9	+1·5
p Armagh	204	56	24th	32	20th	49·3	37·4	43·4	+2·8	7	1·01	26	+13	Armagh ..	3·0	+0·5	29	1	30	41·6	+1·2	43·7	+1·0
b, East .. *t* Donaghadee ..	35	57	24th	34	20th	49·6	41·3	45·5	+4·2	6	0·57	14	+ 1										
														Trinity Coll.	—	—	—	1	30	42·8	+0·8	44·4	+0·6
														Phœnix Park	5·0	+2·0	49	1	29	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	58	24th	33	21st	51·6	40·3	46·0	+3·7	6	0·33	8	- 4	Dublin City ..	—	—	—	2	30	—	—	—	—
t Birr Castle	175	57	24th	31	20th	49·6	40·4	45·0	+4·4	6	1·69	43	+29	Birr Castle ..	2·0	- 0·8	19	1	27	—	—	—	—
a Kilkenny	195	58	23rd	32	20th	51·1	39·0	45·1	+4·0	5	0·63	16	+ 1										
a Waterford	137	56	24th	33	20th	50·4	39·1	44·8	+2·5	6	0·39	10	- 9										
p Seskin, Carrick-on-Suir	542	57	23rd	31	21st	49·7	38·6	44·2	—	7	1·06	27	—	Seskin ..	3·4	—	33	3	29	—	—	—	—
a Foynes	50	58	24th	32	22nd	51·0	38·3	44·7	+2·3	7	2·82	72	+53										
t Cahirciveen (Val. Obs.)	30	55	23rd	35	21st	51·4	43·9	47·7	+3·6	7	2·85	73	+42	Cahirciveen ..	1·7	- 1·2	17	0	32	—	—	—	—
a Killarney	174	56	19 23, 24	32	19th	51·3	38·6	45·0	+2·1	7	3·70	94	+63	Ballinacurra	2·0	- 1·2	20	—	—	—	—	—	—
t Roche's Point	32	54	23rd	35	20th	50·4	42·9	46·7	+3·3	6	1·08	28	+ 7										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	25th	40	21st	51·4	45·1	48·3	+3·2	6	0·77	20	+ 6	Scilly ..	1·4	- 1·9	14	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	58	25th	37	19th	52·9	44·3	48·6	+5·4	6	0·50	13	0	St. Heliers ..	3·0	- 0·6	29	—	—	—	—	—	—
p Guernsey† ..	173	58	25th	40	21, 22	53·0	44·3	48·7	+5·0	6	0·81	21	+ 7	Guernsey ..	2·9	- 0·6	28	1	30	45·1	+1·4	46·1	+0·7

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 25th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	m/s.	Mid Time. d.	h.	Highest Gust. Speed. m.p.h	m/s.	Time. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	h.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	19 to 24	29	109	19	0	11	160	34	15	19	13	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	14	132	9	13	170	16	7	25	15	36	16	25	15	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	52	196	10	0	240	19	9	21	17	—	—	—	—	—
Edinburgh	485	39	31	24, 25	18	19 to 21, 24, 25	34	94	20	2	0	190	53	24	25	9	83	37	25	8	50
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	24, 25	15	19 to 21, 24, 25	34	92	22	5	0	210	45	20	24	19	63	28	24	18	50
Paisley	188	81	15	—	0	24, 25	35	73	56	4	0	200	36	16	24	15	65	29	25	7	15
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	0	21, 22, 25	9	102	57	0	0	240	32	14	25	11	53	24	25	11	0
Spurn Head	67	41	‡	—	0	19 to 23,25	44	98	9	0	17	160	31	14	21	9	41	19	21	12	25
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	21, 22, 25	14	119	35	0	0	190	33	15	21	10	44	20	21	10	25
Shoeburyness	103	90	‡	—	0	21	2	135	31	0	0	—	27	12	21	9	39	17	21	10	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	114	47	7	0	230	23	10	24	12	36	16	24	11	40
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	127	37	4	0	—	23	10	21	6	39	17	21	5	55
Larkhill, S'y Plain ..	513	63	43	—	0	19, 21 to 25	17	131	18	0	2	170	30	13	25	12	40	18	21	6	25
Richmond (Kew Obs. ..	82	65	22	—	0	—	0	107	61	0	0	180 / 210	20	9	21 8 / 24 16		40	18	21	8	25
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	19 to 21, 23 to 25	19	125	24	0	0	290	31	14	20	3	—	—	—	—	—
Southport	80	62	48	—	0	19 to 25	40	105	23	0	0	240	34	15	23	4	55	25	25	19	15
Holyhead	60	40	‡	—	0	19 to 25	63	101	4	0	0	160	32	14	25	17	51	23	24 / 25	15 / 1	30 / 35
8. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	21, 23 to 25	13	19 to 25	100	52	3	0	0	200	43	19	25	15	65	29	21	4	15
Plymouth	185	88	2	—	0	20 to 25	41	109	16	2	0	—	35	16	21	3	51	23	21	3	45
Lyme Regis	556	61	‡	—	0	—	0	61	103	4	0	—	21	9	21	5	40	18	21	5	20
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	19 to 25	58	71	35	1	3	250	37	16	19 17 / 23 3		—	—	—	—	—
Quilty	100	40	‡	24	4	19 to 22, 24, 25	56	75	24	9	0	—	40	18	24	13	61	27	19	16	5
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	19 to 25	66	82	16	4	0	190	36	16	24	10	58	26	24	9	0
Weaver Pt.	160	30	‡	24, 25	6	19 to 25	47	80	20	0	15	—	39	18	24	13	65	29	20	24	0
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	19 to 25	109	59	0	0	0	290	38	17	20	3	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. §Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1922—February 19th to February 25th, 1922.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal: mm.	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	56	26	44·7	33·5	39·2	+ 0·8	8	+ 1	27	- 6	6	+ 1	2·50	64	+40	2·1	- 0·2	21	990
Eastern.																			
1. SCOTLAND, EAST ..	60	28	45·7	34·1	39·9	+ 2·3	10	+ 2	25	- 15	5	+ 1	0·77	20	+ 7	3·1	+0·4	31	994
2. ENGLAND, N.E. ..	62	30	50·4	37·9	44·2	+ 5·3	27	+17	11	- 21	4	0	0·25	6	- 2	4·1	+1·4	40	1003
3. ENGLAND, EAST ..	61	31	51·8	38·6	45·2	+ 6·2	32	+20	10	- 24	3	0	0·39	10	+ 3	4·2	+1·3	41	1009
4. MIDLAND COUNTIES	61	31	51·9	38·3	45·1	+ 6·5	32	+19	10	- 26	5	+ 2	0·56	14	+ 5	3·7	+1·1	36	1006
5. ENGLAND, S.E. ..	60	28	51·4	40·3	45·9	+ 5·8	32	+18	5	- 23	5	+ 2	0·63	16	+ 6	3·4	+0·3	32	1010
Western.																			
6. SCOTLAND, WEST ..	55	30	47·5	37·8	42·7	+ 3·2	17	+ 8	12	- 17	6	+ 2	1·69	43	+21	—	—	—	997
7. ENGLAND, N.W. ..	61	30	50·1	39·8	45·0	+ 5·3	27	+17	6	- 22	6	+ 2	0·99	25	+11	3·1	+0·4	31	1002
8. ENGLAND, S.W. ..	58	31	50·4	40·7	45·6	+ 4·7	29	+13	4	- 19	6	+ 2	1·11	28	+13	2·2	- 0·9	21	1007
9. IRELAND, NORTH ..	57	29	48·6	39·2	43·9	+ 2·7	21	+ 7	8	- 16	7	+ 3	1·69	43	+26	2·7	+0·2	27	995
10. IRELAND, SOUTH ..	58	31	50·9	40·3	45·6	+ 3·3	30	+10	5	- 15	6	+ 2	1·69	43	+23	2·7	- 0·2	26	1000
11. ENGLISH CHANNEL..	58	37	52·4	44·6	48·5	+ 4·4	46	+22	0	- 9	6	+ 2	0·69	18	+ 4	2·4	- 1·1	23	1011
MEAN: DISTRICTS 1-10	62	28	49·9	38·7	44·3	+ 4·5	26	+13	10	- 20	5	+ 2	0·98	25	+11	3·2	+0·4	32	1002

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, November 27th, 1921, to February 25th, 1922.

0. SCOTLAND, NORTH ..	56	18	43·7	35·0	39·5	+ 1·0	82	- 18	312	-115	68	0	18·25	464	+34	0·9	- 0·1	12	1005
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·7	33·7	38·3	+ 0·7	78	- 21	416	- 97	63	+10	8·52	216	+14	1·4	- 0·2	18	1007
2. ENGLAND, N.E. ..	62	12	44·4	34·8	39·7	+ 0·7	143	+ 20	348	- 62	54	+ 4	6·08	155	+11	1·8	+ 0·2	21	1011
3. ENGLAND, EAST ..	61	16	45·1	34·8	40·1	+ 1·3	155	+ 17	331	-106	51	- 1	6·86	174	+28	1·9	+ 0·1	22	1013
4. MIDLAND COUNTIES	61	11	45·4	34·5	40·1	+ 1·3	162	+ 13	341	-118	56	+ 4	7·51	190	+17	1·6	0·0	19	1013
5. ENGLAND, S.E. ..	60	17	46·6	36·9	41·9	+ 1·4	205	+ 14	217	-119	56	+ 6	7·37	187	- 4	1·9	+ 0·1	22	1014
Western.																			
6. SCOTLAND, WEST ..	55	15	45·3	36·3	40·9	+ 1·0	150	+ 7	246	- 94	72	+10	17·98	457	+94	—	—	—	1009
7. ENGLAND, N.W. ..	61	20	46·0	37·2	41·7	+ 1·6	183	+ 31	210	-119	64	+ 8	10·99	280	+39	1·6	+ 0·1	20	1011
8. ENGLAND, S.W. ..	58	13	47·9	38·6	43·4	+ 1·7	266	+ 32	136	-117	64	+ 6	10·38	264	- 35	1·7	- 0·1	19	1013
9. IRELAND, NORTH ..	57	22	47·8	39·5	43·8	+ 2·8	273	+ 87	112	-178	75	+10	12·67	322	+54	1·7	+ 0·2	20	1008
10. IRELAND, SOUTH ..	60	23	49·8	40·7	45·4	+ 2·8	380	+102	71	-156	68	+ 6	12·19	309	+ 5	1·7	- 0·1	21	1011
11. ENGLISH CHANNEL..	58	28	50·5	43·9	47·3	+ 2·2	505	+137	26	- 63	67	+ 3	8·74	222	- 36	1·9	- 0·3	21	1015
MEAN: DISTRICTS 1-10..	62	8	46·1	36·7	41·5	+ 1·5	200	+ 30	243	-117	62	+ 6	10·05	255	+22	1·7	0·0	20	1011

THE YEAR. Aggregates, &c., for the Period of 8 Weeks, January 1st to February 25th, 1922.

0. SCOTLAND, NORTH ..	56	18	42·2	34·0	38·2	+0·1	16	- 37	231	- 54	40	- 1	8·64	220	- 31	1·2	- 0·1	14	1004
Eastern.																			
1. SCOTLAND, EAST ..	60	8	40·5	32·1	36·4	- 0·9	10	- 46	325	- 9	39	+7	5·24	133	+19	1·5	- 0·3	18	1006
2. ENGLAND, N.E. ..	62	12	42·1	32·9	37·6	- 0·9	41	- 29	287	+14	35	+5	4·39	112	+35	1·8	- 0·1	21	1009
3. ENGLAND, EAST ..	61	16	43·8	33·5	38·7	+ 0·4	62	- 14	247	- 46	33	+2	5·23	133	+54	2·1	0·0	24	1011
4. MIDLAND COUNTIES	61	11	43·8	32·7	38·3	0·0	62	- 23	270	- 32	36	+5	5·25	132	+38	1·8	0·0	21	1010
5. ENGLAND, S.E. ..	60	17	45·6	35·6	40·7	+ 1·0	94	- 6	166	- 66	37	+7	5·35	137	+36	2·3	+ 0·2	26	1012
Western																			
6. SCOTLAND, WEST ..	55	15	43·3	34·8	39·1	- 0·2	39	- 37	201	- 29	44	+6	10·56	268	+64	—	—	—	1007
7. ENGLAND, N.W. ..	61	20	44·2	35·4	39·9	+ 0·3	63	- 17	182	- 41	38	+5	6·60	168	+36	1·9	+ 0·1	22	1008
8. ENGLAND, S.W. ..	58	13	46·8	37·1	42·1	+ 1·1	122	- 4	117	- 62	39	+5	7·29	186	+29	2·0	- 0·1	22	1010
9. IRELAND, NORTH ..	57	22	46·4	38·0	42·3	+ 1·6	113	+ 5	96	- 97	46	+7	8·46	215	+62	2·1	+0·3	24	1005
10. IRELAND, SOUTH ..	60	23	48·4	39·1	43·8	+ 1·6	170	+10	68	- 84	43	+6	8·53	216	+44	2·1	+ 0·1	24	1007
11. ENGLISH CHANNEL..	58	28	49·4	42·2	45·9	+ 1·7	244	+51	26	- 44	42	+4	6·00	155	+21	2·4	- 0·1	26	1012
MEAN: DISTRICTS 1-10 ..	62	8	44·5	35·1	39·9	+ 0·4	78	- 16	196	- 45	39	+6	6·69	170	+42	2·0	0·0	22	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE. LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
3rd March, 1922.

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I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands throughout the week was changeable and unsettled, with bright intervals. Rain fell in all parts of the country and hail was reported in places. Thunderstorms occurred at a few stations. Several records of bright sunshine of 9 hours or more per day were recorded in different parts of the country. Amongst the largest amounts obtained were 9·5 hours at Deal, 9·3 at Lympne, 9·2 at Felixstowe, Eastbourne and Worthing, and 9·0 hours at Brighton and Portsmouth on February 27th; 9·4 hours at Norwich on the 28th; 9·2 hours at Edinburgh on March 1st and 9·9 hours at Douglas on the 4th. Mean temperature for the week was above the normal at all stations, the excess in some instances being more than 8°F. The highest temperatures of the week occurred on various dates, and readings of 55°F. and above were registered in many places. At Cambridge and Geldeston (near Beccles) maxima of 60°F. were recorded. With few exceptions the minimum temperature in the screen did not fall below the freezing point, but ground frost occurred in several places. The lowest readings on the grass were 19°F. at Balmoral and 23°F. at Dundee and Rounton. The total rainfall for the week was above the normal in all districts, the largest excess being 36mm. in England S.W. Amongst the heaviest falls were 23mm. at Clifton and 21mm. at Rhayader (Radnor) on February 27th, 48mm. at Fort William, 22mm. at Newquay and 21mm. at Ross-on-Wye on the 28th; 36mm. at Killarney and 24mm. at Seskin (Carrick-on-Suir) on March 4th. The total for the 27th and 28th at Cardiff was 38mm. The daily mean duration of sunshine varied a good deal, but was in excess of the normal at nearly all stations. The mean departure from the normal for the week ranged from +2·7 hours per day at Crathes and Edinburgh to —0·9 hours per day at Aspatria. Aurora was witnessed at Durham on February 26th, at Wick on March 1st and at Aberdeen on the 1st, 2nd and 3rd. Solar halos were observed at Aberdeen on February 27th, at Richmond (Kew Observatory) on the 28th, at Ross-on-Wye on the 26th and 28th; at Dublin and South Farnborough on March 2nd, and at Fort Augustus on the 3rd. A Lunar halo was seen at Ross-on-Wye on March 4th. The Zodiacal Light was witnessed at Ross-on-Wye and Tenbury on February 26th. The observations at Oxford for the week included—Solar halos from February 27th to March 4th inclusive; Lunar halos on March 2nd and 4th; Parhelion on March 2nd and the Zodiacal Light on February 26th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	24	14	6·2	25	14	6·4	23	12	5·4	24	11	5·1	24	14	6·2	22	14	6·4	25	12	5·5	26	14	6·1
North	2	4	1·8	0	—	—	4	4	1·8	1	2	1·0	1	5	2·2	4	16	7·0	1	6	2·5	1	6	2·5
West	22	11	4·7	26	13	5·7	28	11	5·0	27	8	3·6	26	11	5·1	23	17	7·5	24	12	5·3	21	13	6·0
East	4	8	3·6	2	4	1·8	0	—	—	0	—	—	0	—	—	1	5	2·4	3	4	2·0	5	3	1·4
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	1	—	—	1	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

DISTRICTS OF THE BRITISH ISLES.

	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Unusual	Unusual	Very Unusual
Rainfall ..	Heavy	Heavy	Heavy	Heavy	Very Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Moderate	Heavy	Very Heavy
Sunshine ..	Abundant	Very Abundant	Abundant	Abundant	Abundant	Moderate	—	Moderate	Moderate	Very Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 1 week from Feb. 26th, 1922. Warmth ..	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
Rainfall ..	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0
Sunshine ..	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	—	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
Islands: *t* Lerwick	54	47	3rd	34	28th	44·4	37·7	41·0	+3·3	6	0·95	24	+ 7										
p Deerness, Orkney	165	48	3rd	34	28th	45·0	36·1	40·4	+2·2	6	0·48	- 12	- 3	Deerness	3·6	+1·1	35	—	—	—	—	—	—
t Stornoway	51	50	3rd	34	27, 28	46·3	36·7	41·4	+2·7	7	2·22	57	+34	Stornoway	3·7	+1·1	35	—	—	—	—	—	—
t Castlebay, Barra I.	37	49	3rd	37	27, 28	46·0	40·9	43·4	—	7	0·79	20	—	Castlebay	3·7	—	35	—	—	—	—	—	—
b, Mainland: *t* Wick	81	51	3rd	33	28, 3	45·9	35·1	40·3	+2·4	5	0·19	5	- 7										
a Strathpeffer	125	53	28th	31	3, 4	47·9	33·9	40·7	+2·9	7	1·19	30	+16										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	53	3rd	30	28, 1	47·3	31·7	39·3	+1·3	7	2·43	62	+41										
p Fort William	171	51	3rd	34	27th	46·6	36·1	41·2	+2·2	7	4·34	110	+73										
1. SCOTLAND, E.																							
t Nairn	82	52	3rd	33	27, 28	46·6	34·6	40·4	+2·7	7	0·85	22	+11	Nairn	5·1	—	49	—	—	—	—	—	—
p Gordon Castle	101	54	26, 3	32	28th	49·3	35·0	41·9	+3·4	3	0·25	6	- 6	Gordon Castle	5·6	—	53	—	—	—	—	—	—
t Aberdeen	46	53	3rd	35	28th	49·9	37·6	43·6	+5·2	3	0·27	7	- 6	Aberdeen	5·3	+2·4	50	5	26	—	—	40·3	+0·8
a Balmoral	930	49	3rd	25	28th	43·9	30·7	37·1	+2·7	6	0·72	18	+ 2	Balmoral	—	—	—	5	19	—	—	—	—
p Crieff	432	52	3rd	32	27th	47·6	34·6	40·9	+2·7	7	1·39	35	+16	Crathes	5·6	+2·7	53	3	27	38·0	—	39·0	—
a Dundee	244	54	3rd	31	2, 4	49·9	33·1	41·3	+3·5	5	0·42	11	0	Dundee	5·0	—	47	5	23	38·9	—	—	—
														Inchkeith (F. of Forth)	4·9	—	47	0	31	—	—	—	—
t Inchkeith (F. of Forth)	190	52	3rd	36	26th	47·7	38·7	43·1	—	4	0·19	5	—										
p Edinburgh	441	54	3rd	34	28th	48·6	36·9	42·6	+4·3	4	0·75	19	+ 9	Edinburgh	5·7	+2·7	53	0	32	—	—	—	—
a West Linton	769	53	26th	32	28, 3	46·7	33·9	40·1	+4·8	5	0·85	22	—	West Linton	—	—	—	5	27	—	—	—	—
a Marchmont	498	51	3rd	33	27, 28	47·7	35·0	41·2	+3·9	6	0·98	25	+11	Marchmont	4·4	+1·7	41	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	51	3rd	34	27th	48·2	37·0	42·4	—	7	1·70	43	—	Ford (Argyll)	—	—	—	2	29	41·0	—	41·5	—
t Renfrew	49	53	3rd	37	27, 28	49·0	38·7	43·7	—	6	0·93	24	—	Renfrew	4·1	—	39	0	32	—	—	—	—
p Rothesay	200	51	26, 3	35	27th	48·6	37·7	43·0	+3·0	7	1·25	32	+11	Rothesay	3·9	—	36	1	29	41·1	—	42·0	+0·3
a Kilmarnock	90	53	23rd	35	28th	50·3	38·4	44·4	+5·6	6	0·86	22	+ 6	Kilmarnock	4·5	—	43	—	—	41·4	—	42·1	—
a Colmonell	170	53	26, 3	37	28th	50·7	39·6	45·0	+5·7	6	0·77	20	0	Colmonell	—	—	—	0	33	—	—	—	—
p Dumfries	160	54	3rd	37	27, 1	48·9	38·7	43·7	+4·5	5	1·06	27	+11	Dumfries	4·2	—	39	1	29	41·0	+2·3	40·9	+0·5
t Eskdalemuir	794	51	3rd	32	27th	46·1	35·1	40·4	—	7	1·91	49	—	Eskdalemuir	2·3	—	22	3	28	—	—	—	—
b, I. OF MAN *h* Douglas	284	51	3rd	38	27,28,1	48·6	39·9	44·1	+3·5	5	1·07	27	+10	Douglas	4·3	+1·1	40	0	32	—	—	—	—
2. ENGLAND, N.E.																							
North: *a* Alnwick Castle	210	54	26, 3	35	28th	50·4	37·1	43·6	+4·9	5	0·37	9	- 7	Cockle Park	4·6	+1·5	43	3	27	38·9	+1·7	40·1	+0·6
t Tynemouth	118	55	3rd	35	28th	49·9	39·4	44·5	+5·3	6	0·53	14	+ 2										
p Durham	336	53	26, 3, 4	33	28th	49·4	35·3	42·1	+3·8	6	0·48	12	0	Durham	4·3	+1·5	40	3	26	—	—	—	—
p Rounton	249	52	3rd	33	28, 2	49·0	35·0	41·8	+3·6	6	0·81	21	+ 9	Rounton	—	—	—	7	23	39·9	—	—	—
a West Witton	605	52	3rd	33	28th	47·9	37·6	42·6	—	6	1·26	32	—	West Witton	—	—	—	4	28	38·9	—	38·8	—
h Scarborough	118	54	3, 4	37	27, 2	51·3	39·0	45·0	+5·1	6	1·04	26	+13	Scarborough †	3·7	+0·9	34	—	—	—	—	41·5	—
p York	56	56	3rd	36	28th	50·3	38·6	44·3	+4·7	7	0·91	23	+11	York	3·1	+0·7	29	—	—	41·0	+0·9	41·3	+0·3
b, South: *t* Spurn Head	26	54	3rd	37	3rd	49·1	39·7	44·3	+4·9	7	0·50	13	+ 3	Spurn Head	4·4	—	41	—	—	—	—	—	—
a Lincoln	58	59	3rd	36	2nd	52·3	40·3	46·1	+6·6	7	1·08	27	+16	Lincoln	—	—	—	0	32	42·0	+4·0	41·5	+1·0
t Cranwell	237	57	3rd	32	3rd	51·3	39·1	45·0	+5·6	7	0·94	24	+12	Cranwell	3·9	+0·9	36	1	26	—	—	—	—
														Skegness	3·8	+0·6	36	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	58	3rd	36	3rd	52·0	39·6	45·6	+6·3	7	0·35	9	0	Cromer	4·4	+1·3	40	—	—	—	—	—	—
a Little Massingham	277	56	3rd	36	2, 3	50·9	40·0	45·3	+6·8	7	0·77	20	+ 8	Lit Massingham	4·0	+1·3	37	—	—	—	—	—	—
t Yarmouth	13	59	3rd	37	3rd	53·3	42·4	44·7	+8·8	6	0·54	14	+ 4	Yarmouth	4·0	—	37	0	34	44·1	+3·9	44·1	+1·2
a Norwich	93	59	3rd	35	3rd	52·9	41·4	47·0	+7·5	7	0·67	17	+ 5	Norwich	4·1	—	38	1	30	42·6	—	—	—
a Geldeston	37	60	3rd	35	3rd	55·3	40·1	47·5	+7·9	6	0·31	8	- 2	Geldeston	3·9	+0·9	36	—	—	—	—	—	—
p Cambridge	41	60	26, 3	34	3rd	55·1	39·7	47·2	+7·5	7	0·67	17	+ 8	Cambridge	4·1	+1·2	38	1	29	44·5	+4·4	43·8	+0·5
t Clacton-on-Sea	54	52	28, 3	40	2, 3	50·7	43·4	46·9	+7·8	7	0·62	16	+ 7	Clacton-on-Sea	4·0	+0·8	37	0	34	44·6	+3·6	44·5	+1·1
a Rothamsted	420	55	3rd	36	3rd	50·9	40·6	45·6	+6·6	7	1·41	36	+23	Rothamsted	3·6	+0·9	34	1	27	43·1	—	—	—
p Tottenham	51	56	3rd	40	1st	53·1	44·7	48·8	—	7	1·08	27	—	Tottenham	2·9	—	27	—	—	—	—	44·0	+1·1
														Southend	3·7	—	34	0	35	45·1	—	—	—
4. MIDLAND COUNTIES.																							
North: *h* Harrogate	479	52	3rd	34	28th	47·9	37·4	42·5	+4·3	7	1·00	25	+11	Harrogate	2·7	- 0·2	25	0	31	40·1	+1·8	40·4	+0·6
p Sheffield	429	57	3rd	35	1st	50·0	38·6	44·1	—	7	1·65	42	—	Sheffield	2·8	+0·3	26	0	33	40·2	+2·0	40·3	- 0·3
p Buxton	987	52	3rd	33	2nd	46·0	36·3	41·0	+4·4	7	2·09	53	+27	Buxton	2·8	—	26	1	30	39·8	+2·6	39·6	- 0·5
East: *a* Worksop	56	59	3rd	35	27, 3	52·3	38·7	45·3	+5·6	7	1·37	35	+25	Worksop	2·7	+0·2	25	5	28	42·0	—	41·8	—
t Nottingham	82	58	3rd	37	27, 1, 2	51·7	40·3	45·8	+6·3	7	1·00	25	+15	Nottingham	3·0	+0·6	28	2	30	43·1	+5·0	40·7	+1·3
p Birmingham, Edgbsn.	525	55	3rd	35	1st	50·3	38·4	44·2	+4·8	7	1·37	35	+23	Birmingham	3·4	+1·4	32	0	32	42·7	+2·9	44·0	+0·8
a Raunds	213	57	3rd	37	2, 3	53·0	40·9	46·8	+7·5	7	1·20	30	+20	Raunds	3·8	—	35	0	31	43·4	—	—	—
p Oxford	208	58	3rd	38	2nd	52·7	41·3	46·8	+6·6	7	1·34	34	+23	Oxford	3·8	+1·0	35	0	33	—	—	—	—
														Malvern	3·3	—	31	1	30	42·9	—	42·7	—
c, West: *a* Cheadle (N. Staffs)	646	52	3rd	33	27, 2	48·3	36·7	42·3	+4·0	7	1·85	47	+32	Cheadle	—	—	—	4	26	—	—	—	—
p Tenbury	313	56	3rd	35	1st	50·4	39·0	44·5	+4·5	7	1·88	48	+38	Tenbury	—	—	—	1	30	43·0	—	—	—
a Hereford	291	58	3rd	35	1st	51·9	39·3	45·4	+5·3	6	1·73	44	+32	Ross on Wye	3·5	—	33	0	31	44·0	—	43·8	—
a Clifton	225	57	3rd	39	1, 2	52·0	41·6	46·7	+5·8	7	2·93	74	+58	Clifton	3·6	—	33	0	35	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	56	3rd	37	2nd	51·3	40·6	45·8	+7·1	7	1·69	43	+27	Worthing	3·7	+0·2	34	0	36	45·5	+4·0	45·0	+1·3
a Porton	340	55	3rd	34	1st	51·6	38·7	45·0	—	7	1·10	28	—	Marlborough	2·9	+0·4	27	0	31	45·4	—	44·9	—
a Wisley, Surrey	150	54	28, 3	39	2nd	52·7	43·6	48·0	+8·3	7	1·04	26	+14	Porton	—	—	—	1	30	44·5	—	—	—
h Tunbridge Wells	354	54	28th	38	2, 3	51·7	43·4	47·4	+8·0	7	1·68	43	+27	Wisley, Surrey	3·5	+0·8	33	1	29	45·2	+5·0	44·1	+1·7
h Margate	51	56	26, 3	39	3rd	54·0	44·3	49·0	+8·6	7	0·38	10	0	Tunbridge Wells	2·7	- 0·4	25	1	30	45·2	—	44·2	—
														Margate	3·7	+0·6	34	0	36	45·3	+4·3	44·9	+1·9
t Dungeness	21	54	2nd	41	2nd	51·6	45·4	48·4	+8·5	7	0·92	23	+12	Folkestone	4·0	—	36	0	38	—	—	46·0	—
h St. Leonards	178	52	27th	40	2nd	50·6	44·6	47·5	+7·1	7	0·99	25	+11	St. Leonards	3·8	+0·4	35	0	32	45·6	—	44·2	—
p Southampton	64	54	27, 28, 34	40	27th	53·4	44·1	48·6	+7·0	7	1·64	42	+27	Southampton	3·3	+0·2	30	1	30	—	—	—	—
a Ventnor	59	52	27, 2	42	2nd	51·1	44·9	47·9	+5·8	7	1·56	40	+26	Ventnor	3·2	- 0·4	29	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	56	3rd	40	2nd	52·9	44·7	48·7	+8·3	7	0·97	25	+14	Richmond	3·3	+0·8	31	0	32	45·1	+5·0	44·4	+1·5
a Westminster	27	56	28, 3	39	2nd	54·1	44·7	49·3	+8·3	7	0·88	22	+12	Westminster	2·3	+1·0	26	0	31	—	—	—	—
ae Greenwich	149	58	3rd	39	2nd	54·4	44·0	49·1	+8·9	7	0·72	18	+ 7	Greenwich	3·2	+0·7	30	1	30	—	—	—	—
a Hampstead	450	53	3rd	37	2nd	51·1	41·3	46·1	—	7	1·08	27	—	Hampstead	3·2	—	29	1	29	—	—	—	—
ag Camden Square	110	56	3rd	37	2nd	53·9	43·3	48·4	+7·9	7	0·95	24	+12	Camden Square	—	—	—	0	35	44·3	—	43·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	3rd	36	28th	46·1	38·3	42·1	+3·3	6	0·86	22	+ 3	Aspatria	2·0	- 0·9	19	0	34	41·3	+1·5	42·3	+0·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	52	3rd	36	27, 28	48·1	39·3	43·6	+4·8	6	1·64	42	+20	Stonyhurst	2·4	- 0·2	22	0	33	—	—	—	—
h Blackpool	66	50	26, 3	39	28, 2	48·6	41·0	44·7	+5·1	5	1·10	28	+14	Blackpool	3·1	- 0·1	29	0	32	42·8	—	43·3	—
h Southport	37	53	3rd	38	28, 1, 2	49·1	40·1	44·5	+4·6	6	1·00	26	+12	Southport	3·8	+0·8	35	0	33	41·7	+3·0	41·3	+0·9
														Hoylake	3·9	+1·0	37	—	—	—	—	—	—
t Liverpool (Bidston)	188	54	3rd	36	2nd	49·9	40·4	45·0	+4·7	6	0·67	17	+ 6	Liverpool	3·3	—	31	1	30	—	—	—	—
a Hawarden Bridge	22	58	3rd	34	2nd	52·1	41·3	46·5	+5·5	7	1·30	33	+24	Manchester City	2·0	+0·2	19	0	34	41·9	+3·3	42·0	+0·1
p Manchester (Whit. Pk.)	125	56	3rd	36	27th	50·1	39·9	44·9	+4·4	7	1·79	45	+32	„ Whit. Pk.	2·7	+0·9	25	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	54	3rd	38	28th	49·9	41·4	45·5	+3·9	4	0·54	14	+ 1	Llandudno	4·1	+1·1	38	—	—	—	—	—	—
t Holyhead	15	51	3rd	41	27, 28	49·0	43·0	45·9	+4·5	5	0·52	13	- 3	Holyhead	3·7	—	35	0	39	—	—	—	—
a Aberdovey	60	50	2, 3, 4	39	2nd	48·9	42·0	45·4	—	7	2·05	52	—	Aberdovey	3·4	+0·3	32	0	35	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

[Districts and Names of] Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	2nd	38	1st	49·4	42·3	45·8	—	7	1·83	46	—	Aberystwyth	3·3	+0·4	31	—	—	—	—	—	—
a Rhayader	757	53	3rd	32	1st	48·6	37·4	42·8	—	7	2·50	63	—	Rhayader ..	2·7	—	25	1	28	—	—	—	—
t Pembroke	149	50	26, 3	41	27th	48·7	43·9	46·2	+4·3	7	1·80	46	+29	Pembroke ..	3·4	+0·3	32	—	—	—	—	—	—
p Cardiff	202	54	3rd	37	1st	51·1	41·4	46·1	+5·7	7	3·26	83	+63	Cardiff ..	3·4	—	32	0	31	44·4	+3·7	44·2	+1·3
b, ENGLAND, S.W.																							
h Bath	66	58	3rd	40	27th	52·9	43·3	48·0	+7·3	7	2·25	57	+43	Bath	3·7	+0·7	35	—	—	45·6	—	44·6	—
a Shaftesbury	722	52	3rd	37	1st	49·9	39·9	44·8	+5·6	7	1·22	31	+16	Shaftesbury ..	—	—	—	—	—	45·1	—	44·2	—
a Arlington	613	53	3rd	38	27, 1, 2, 4	50·0	39·8	44·8	+4·9	7	3·01	76	+50										
h Newquay	190	54	3rd	41	27, 1	52·2	44·3	48·1	+4·9	7	2·55	65	+49	Newquay ..	3·6	+0·4	33	—	—	47·2	—	47·6	—
a Cullompton	202	57	3rd	37	2nd	53·4	42·9	48·0	+7·0	7	1·71	43	+25	Cullompton ..	2·7	- 0·2	25	1	27	46·3	—	—	—
t Portland Bill	19	52	27, 3, 4	43	2nd	51·3	45·4	48·2	+6·2	7	1·40	36	+23	Weymouth ..	3·4	—	31	—	—	—	—	—	—
p Plymouth	116	54	2, 4	40	2nd	52·6	44·6	48·5	+5·9	7	1·97	50	+31	Plymouth ..	3·1	- 0·2	28	0	37	46·9	+4·1	47·1	—
h Falmouth	167	54	27, 3, 4	40	2nd	53·0	44·3	48·5	+5·3	7	2·74	70	+46	Falmouth ..	3·8	+0·4	35	0	37	47·3	—	48·4	—
9. IRELAND, N.																							
t Malin Head	71	51	3rd	35	28th	46·9	39·1	42·9	+1·5	7	1·04	26	+11	Malin Head ..	4·3	—	41	—	—	—	—	—	—
a, West .. t Blacksod Point ..	10	52	3rd	35	27th	48·6	40·0	44·2	+1·4	7	0·92	23	- 3										
a Mallarany ..	120	52	2, 3	35	28th	49·7	39·6	44·5	—	7	1·67	42	—	Mallarany ..	3·6	—	34	0	31	—	—	—	—
p Markree Castle.. ..	122	54	3rd	31	1st	49·1	36·0	42·4	+1·4	6	1·23	31	+ 9	Markree Castle	5·0	+2·5	47	5	25	42·9	+1·0	45·0	+1·5
b, East .. p Armagh.. ..	204	54	3rd	34	28th	49·7	37·1	43·2	+2·3	6	0·63	16	+ 1	Armagh ..	5·0	+2·6	47	1	27	42·5	+1·8	44·0	+1·2
t Donaghadee	35	54	3rd	36	27th	50·7	39·0	44·7	+3·2	6	0·44	11	- 3										
														Trinity Coll.	—	—	—	0	32	44·1	+1·9	45·0	+1·0
														Phœnix Park	5·0	+2·0	47	2	29	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	55	3rd	37	2nd	50·9	41·0	45·8	+3·0	4	0·33	8	- 4	Dublin City ..	—	—	—	0	34	—	—	—	—
t Birr Castle	175	53	3rd	35	27,28,1	50·0	38·1	43·9	+2·9	5	0·90	23	+ 9	Birr Castle ..	4·2	+1·5	39	3	29	—	—	—	—
a Kilkenny	195	55	3rd	32	1st	52·1	36·0	43·8	+2·3	4	0·43	11	- 4										
a Waterford	137	53	4th	35	27, 2	50·4	38·9	44·5	+1·7	7	0·61	16	- 2										
p Seskin, Carrick-on-Suir	542	52	3rd	35	27,28,2	49·1	37·7	43·2	—	7	1·68	43	—	Seskin ..	4·1	—	38	2	30	—	—	—	—
a Foynes	50	55	2nd	35	27th	50·9	38·1	44·3	+1·4	6	1·55	39	+20										
t Cahirciveen (Val. Obs.)	30	52	2, 3	39	28th	49·6	42·9	46·2	+1·8	7	1·78	45	+15	Cahirciveen ..	2·4	- 0·5	23	0	35	—	—	—	—
a Killarney	174	55	3rd	38	27, 28,1,2	51·6	39·0	45·1	+1·8	7	2·81	71	+41	Ballinacurra	3·4	+0·1	32	—	—	—	—	—	—
t Roche's Point	32	53	3rd	38	2nd	50·1	42·0	45·9	+2·2	7	1·29	33	+13										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	53	26, 27, 2-4	38	2nd	52·0	45·0	48·4	+3·4	7	1·94	49	+34	Scilly ..	3·7	0·0	34	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	27th	43	2nd	53·1	46·4	49·7	+6·3	7	1·11	28	+13	St. Heliers ..	3·4	- 0·5	31	—	—	—	—	—	—
p Guernsey† ..	173	55	27th	43	2nd	53·3	46·1	49·6	+5·7	7	1·48	38	+22	Guernsey ..	3·8	+0·1	35	0	35	47·6	+3·6	47·2	+1·7

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 4th, 1922.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.		Mid Time.	Speed.		Time.		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d. hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	26, 27, 2, 3	20	108	40	0	0	160	31	14	3 8	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	16	146	6	0	220	17	8	28 23	41	18	28	22	45
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	65	98	5	0	220	22	10	28 24	—	—	—	—	—
Edinburgh	485	39	31	—	0	26 to 1	26	127	15	0	0	200	30	13	28 19	49	22	26	10	39
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	26 to 28	21	86	57	4	0	200	29	13	27 14	55	25	27	15	30
Paisley	188	81	15	—	0	26	3	93	69	3	0	190	28	13	26 7	51	23	28	8	30
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	28	2	47	110	9	0	230	26	12	28 13	51	23	28	12	55
South Shields	72	61	12	—	0	28	2	68	95	3	0	270	28	13	28 13	49	22	28	13	30
Spurn Head	67	41	‡	—	0	26 to 2	32	91	28	0	17	180	34	15	26 11	45	20	27	17	55
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	26 to 1	19	111	38	0	0	200	32	14	28 5	45	20	28	4	45
Shoeburyness	103	90	‡	—	0	26 to 1	18	95	46	4	5	—	36	16	1 3	55	25	1	3	5
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	26, 28, 1	6	103	56	0	3	230	32	14	1 3	56	25	1	3	0
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	28, 1	7	122	39	0	0	—	28	13	28 4	47	21	28	2	20
Larkhill, S'y Plain ..	550	43	‡	28, 1	2	26 to 1, 3, 4	44	102	20	0	0	220	41	18	1 1	54	24	1	1	0
Richmond (Kew Obs.) ..	82	65	22	—	0	1	6	99	63	0	0	210	29	13	1 3	55	25	1	2	30
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	28, 2	2	110	53	3	0	270	25	11	2 11	—	—	—	—	—
Southport	80	62	48	—	0	26 to 28, 2, 3	22	91	55	0	0	240	33	15	28 9	64	29	26	18	5
Holyhead	60	40	‡	—	0	26 to 2	43	107	17	1	0	230	32	14	28 12	54	24	{26	7	5}
																		{28	11	20}
8. ENGLAND, S.W.																				
Pendennis Castle.. ..	256	65	24	26 to 1, 3	29	26 to 4	96	38	5	0	0	—	49	22	27 14	67	30	28	22	40
Plymouth	185	88	2	28	2	26 to 4	55	86	25	0	0	—	43	19	28 23	56	25	28	23	20
Lyme Regis	556	61	‡	—	0	28, 1, 3	6	82	65	1	14	—	29	13	1 1	43	19	1	1	35
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	26 to 2	34	88	41	5	0	220	37	17	28 9	—	—	—	—	—
Quilty	100	40	‡	—	0	26 to 1, 3, 4	33	40	25	0	0	—	34	15	28 10	54	24	28	3	40
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	26 to 4	50	96	18	4	0	190	33	15	4 24	60	27	28	2	50
Weaver Pt.	160	30	‡	26, 4	4	26 to 28, 2 to 4	26	104	31	3	0	—	43	19	26 2	59	26	26	1	10
11. ENGLISH CHANNEL																				
Scilly (Cup Anr.) ..	150	19	—	1, 2	9	26 to 3	54	89	13	1	2	290	56	25	1 22	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1922—February 26th to March 4th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	53	30	46·4	35·2	40·6	+ 2·5	12	+ 6	22	− 13	6	+ 1	1·89	48	+24	3·7	+1·3	35	994
Eastern.																			
1. SCOTLAND, EAST ..	54	25	47·4	35·0	41·0	+ 3·5	15	+ 8	22	− 18	5	+ 1	0·69	18	+ 5	5·2	+2·4	49	998
2. ENGLAND, N.E. ..	59	32	50·3	38·2	44·1	+ 5·0	25	+13	11	− 21	6	+ 2	0·74	19	+ 7	3·9	+1·0	36	1005
3. ENGLAND, EAST ..	60	34	52·7	41·3	46·8	+ 7·5	36	+21	2	− 32	7	+ 3	0·71	18	+ 8	3·9	+1·0	36	1010
4. MIDLAND COUNTIES	59	33	51·1	39·4	45·0	+ 5·6	28	+12	7	− 27	7	+ 3	1·57	40	+28	3·2	+0·6	30	1009
5. ENGLAND, S.E. ..	56	34	52·1	43·4	47·6	+ 7·2	39	+22	0	− 28	7	+ 3	1·20	30	+17	3·4	+0·4	31	1012
Western.																			
6. SCOTLAND, WEST ..	54	34	49·2	38·6	43·8	+ 4·3	22	+12	10	− 19	6	+ 2	1·09	28	+ 7	—	—	—	1001
7. ENGLAND, N.W. ..	58	34	49·3	40·5	44·8	+ 4·9	24	+12	4	− 23	6	+ 2	1·05	27	+11	3·2	+0·5	30	1005
8. ENGLAND, S.W. ..	58	32	51·2	42·3	46·6	+ 5·2	32	+14	0	− 22	7	+ 3	2·19	56	+36	3·3	+0·3	30	1010
9. IRELAND, NORTH ..	54	31	49·2	38·2	43·6	+ 2·1	22	+ 6	11	− 11	6	+ 1	0·86	22	+ 3	5·0	+2·5	47	999
10. IRELAND, SOUTH ..	55	32	50·7	39·5	44·9	+ 2·2	27	+ 5	7	− 9	6	+ 2	1·21	31	+11	3·8	+0·9	35	1004
11. ENGLISH CHANNEL..	55	38	52·8	45·8	49·2	+ 5·1	50	+26	0	− 8	7	+ 3	1·51	38	+22	3·6	− 0·2	33	1013
MEAN: DISTRICTS 1-10	60	25	50·3	39·6	44·8	+ 4·8	27	+13	7	− 21	6	+ 2	1·13	29	+13	3·9	+1·1	36	1005

THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, February 26th to March 4th, 1922.

0. SCOTLAND, NORTH ..	53	30	46·4	35·2	40·6	+ 2·5	12	+ 6	22	− 13	6	+ 1	1·89	48	+24	3·7	+ 1·3	35	994
Eastern.																			
1. SCOTLAND, EAST ..	54	25	47·4	35·0	41·0	+ 3·5	15	+ 8	22	− 18	5	+ 1	0·69	18	+ 5	5·2	+ 2·4	49	998
2. ENGLAND, N.E. ..	59	32	50·3	38·2	44·1	+ 5·0	25	+ 13	11	− 21	6	+ 2	0·74	19	+ 7	3·9	+ 1·0	36	1005
3. ENGLAND, EAST ..	60	34	52·7	41·3	46·8	+ 7·5	36	+ 21	2	− 32	7	+ 3	0·71	18	+ 8	3·9	+ 1·0	36	1010
4. MIDLAND COUNTIES	59	33	51·1	39·4	45·0	+ 5·6	28	+ 12	7	− 27	7	+ 3	1·57	40	+28	3·2	+ 0·6	30	1009
5. ENGLAND, S.E. ..	56	34	52·1	43·4	47·6	+ 7·2	39	+ 22	0	− 28	7	+ 3	1·20	30	+17	3·4	+ 0·4	31	1012
Western.																			
6. SCOTLAND, WEST ..	54	34	49·2	38·6	43·8	+ 4·3	22	+ 12	10	− 19	6	+ 2	1·09	28	+ 7	—	—	—	1001
7. ENGLAND, N.W. ..	58	34	49·3	40·5	44·8	+ 4·9	24	+ 12	4	− 23	6	+ 2	1·05	27	+11	3·2	+ 0·5	30	1005
8. ENGLAND, S.W. ..	58	32	51·2	42·3	46·6	+ 5·2	32	+ 14	0	− 22	7	+ 3	2·19	56	+36	3·3	+ 0·3	30	1010
9. IRELAND, NORTH ..	54	31	49·2	38·2	43·6	+ 2·1	22	+ 6	11	− 11	6	+ 1	0·86	22	+ 3	5·0	+ 2·5	47	999
10. IRELAND, SOUTH ..	55	32	50·7	39·5	44·9	+ 2·2	27	+ 5	7	− 9	6	+ 2	1·21	31	+11	3·8	+ 0·9	35	1004
11. ENGLISH CHANNEL..	55	38	52·8	45·8	49·2	+ 5·1	50	+ 26	0	− 8	7	+ 3	1·51	38	+22	3·6	− 0·2	33	1013
MEAN: DISTRICTS 1-10..	60	25	50·3	39·6	44·8	+ 4·8	27	+ 13	7	− 21	6	+ 2	1·13	29	+13	3·9	+ 1·1	36	1005

THE YEAR. Aggregates, &c., for the Period of 9 Weeks, January 1st to March 4th, 1922.

0. SCOTLAND, NORTH ..	56	18	42·6	34·1	38·4	+0·3	28	− 31	253	− 67	46	0	10·53	268	− 7	1·4	0·0	17	1003
Eastern.																			
1. SCOTLAND, EAST ..	60	8	41·2	32·4	36·9	− 0·4	25	− 38	347	− 27	44	+ 8	5·93	151	+24	1·9	− 0·1	22	1005
2. ENGLAND, N.E. ..	62	12	43·0	33·5	38·3	− 0·2	66	− 16	298	− 7	41	+ 7	5·13	131	+42	2·1	+ 0·1	23	1009
3. ENGLAND, EAST ..	61	16	44·8	34·4	39·6	− 1·2	98	+ 7	249	− 78	40	+ 5	5·94	151	+62	2·3	+ 0·1	25	1011
4. MIDLAND COUNTIES	61	11	44·6	33·4	39·1	+ 0·7	90	− 11	277	− 59	43	+ 8	6·82	172	+66	2·0	+ 0·1	22	1010
5. ENGLAND, S.E. ..	60	17	46·3	36·4	41·5	+ 1·7	133	+16	166	− 94	44	+10	6·55	167	+53	2·4	+ 0·2	26	1012
Western.																			
6. SCOTLAND, WEST ..	55	15	43·9	35·2	39·7	+ 0·4	61	− 25	211	− 48	50	+ 8	11·65	296	+71	—	—	—	1006
7. ENGLAND, N.W. ..	61	20	44·8	36·0	40·4	+ 0·8	87	− 5	186	− 64	44	+ 7	7·65	195	+47	2·0	+ 0·1	23	1008
8. ENGLAND, S.W. ..	58	13	47·3	37·7	42·6	+ 1·5	154	+10	117	− 84	46	+ 8	9·48	242	+65	2·1	− 0·1	23	1010
9. IRELAND, NORTH ..	57	22	46·7	38·0	42·5	+ 1·8	135	+11	107	−108	52	+ 8	9·32	237	+65	2·4	+ 0·6	27	1005
10. IRELAND, SOUTH ..	60	23	48·6	39·1	43·9	+ 1·7	197	+15	75	− 93	49	+ 8	9·74	247	+55	2·3	+ 0·2	25	1007
11. ENGLISH CHANNEL..	58	28	49·8	42·6	46·3	+ 2·1	294	+77	26	− 52	49	+ 7	7·61	193	+43	2·5	− 0·2	27	1012
MEAN: DISTRICTS 1-10 ..	62	8	45·1	35·6	40·5	+ 0·9	105	− 4	203	− 66	45	+ 8	7·82	199	+55	2·2	+ 0·1	24	1008
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
10th March, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE LIBRARY 18 MAR 1922 C 37

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 10.

TENTH WEEK.
SUNDAY, MARCH 5TH, TO SATURDAY, MARCH 11TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The week was notable for the rapid passage of a deep system across England from Land's End to Yarmouth on the 7th and 8th. During the first few days of the period rain fell in most places and snow and hail was reported at a number of stations. Violent southerly or south-westerly gales prevailed over the southern parts of England in the early hours of Wednesday morning. At Scilly there was an hour with an average wind speed of 76 m.p.h., while in a gust a maximum velocity of no less than 108 m.p.h. was attained. The corresponding figures for Pendennis Castle (Falmouth) were 67 and 103 m.p.h. During the last few days of the week fine dry weather was general, the improvement being due to the influence of the anticyclone situated to the south-west of Ireland. Mean temperature was above the normal at all stations. The highest temperatures over England and Ireland usually occurred at the beginning of the week, but in most parts of Scotland, Saturday was the warmest day. Amongst the highest readings were 58°F. at Raunds (Northampton), 57°F. at Guernsey and 56°F. at Cambridge, Dundee and Hawarden Bridge (Cheshire). Screen minima below the freezing point were registered in several places; the lowest being 20°F. at Porton (Salisbury Plain) and 23°F. at Marlborough on the 11th; while at a number of stations the thermometer on the grass recorded readings below 20°F. The total rainfall for the week exceeded the normal in several districts. The heaviest falls which occurred during the early part of the week were 31mm. at Fort William, 26mm. at Eskdalemuir, 25mm. at Fort Augustus, 23mm. at Burnley, 22mm. at West Witton (N. Riding) on the 5th, 23mm. at Ventnor, 21mm. at Tenby and 20mm. at Portsmouth on the 7th. The largest records of sunshine were usually obtained on either the 9th or 11th when at a number of stations between 9 and 10 hours were recorded. Amongst the largest amounts were 10.2 hours at Geldeston (near Beccles) and 10·0 hours at Hampstead on the 9th and 10·0 hours at Guernsey and 10·3 hours at Worthing on the 11th. Thunder and lightning occurred at one or two stations, and at Raunds on the 7th the thunderstorm was accompanied by hail and snow. Aurora was witnessed at Aberdeen on the 5th. Solar halos were observed at Ross-on-Wye on the 7th and at Oxford on the 6th, 7th, 8th and 11th. Lunar halos were seen at Dundee on the 11th and at Oxford on the 6th and 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	19	14	6·3	21	12	5·5	17	13	5·7	18	12	5·3	12	15	6·5	10	17	7·5	13	14	6·1	12	11	5·1
North	7	15	6·9	6	13	5·6	9	11	4·8	5	9	3·9	15	12	5·3	9	13	5·7	6	13	5·6	15	11	4·7
West	19	8	3·7	25	11	4·9	22	12	5·4	21	9	3·8	23	14	6·2	17	18	8·2	21	15	6·5	22	11	4·9
East	9	11	4·7	2	4	1·8	3	3	1·4	0	—	—	4	12	5·4	5	7	3·3	2	11	5·1	4	5	2·3
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	1	—	—	4	—	—	0	—	—	6	—	—	0	—	—	1	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	4	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *see below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Abundant	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 2 weeks from Feb. 26th, 1922.	Warmth ..	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0
	Rainfall ..	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	1, 1, 0	2, 0, 0	0, 2, 0	1, 1, 0	2, 0, 0
	Sunshine ..	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0	—	0, 2, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
a Islands: *t* Lerwick	54	47	11th	35	8, 9, 10	44·3	37·6	40·9	+3·2	7	1·10	28	+ 7										
p Deerness, Orkney	165	47	6, 11	33	9, 10	44·6	35·3	39·8	+1·6	7	0·78	20	+ 1	Deerness	1·4	- 1·4	12	—	—	—	—	—	—
t Stornoway	51	50	5th	35	5,8, 10	46·1	37·7	41·8	+3·0	7	1·28	33	+ 5	Stornoway	2·6	- 0·4	23	—	—	—	—	—	—
t Castlebay, Barra I.	37	51	9th	38	10th	47·7	41·3	44·4	—	6	0·29	7	—	Castlebay	3·6	—	33	—	—	—	—	—	—
b, Mainland: *t* Wick	81	50	6th	32	10th	45·3	36·0	40·5	+2·3	5	0·46	12	- 3										
a Strathpeffer	125	50	6th	31	7th	46·0	34·6	40·1	+2·0	3	0·29	7	- 11										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	51	11th	29	10th	45·9	31·9	38·7	+0·3	4	1·82	46	+21										
p Fort William	171	51	11th	32	10th	45·7	36·4	40·9	+1·6	5	2·20	56	+11										
1. SCOTLAND, E.																							
t Nairn	82	52	11th	32	7th	46·4	35·7	40·9	+2·3	4	0·30	8	- 4	Nairn	3·3	—	29	—	—	—	—	—	—
p Gordon Castle	101	52	5th	34	10th	47·3	36 3	41·6	+2·3	4	0·35	9	- 5	Gordon Castle	3·3	—	30	—	—	—	—	—	—
t Aberdeen	46	53	11th	32	9th	47·1	36·3	41·5	+2·3	3	0·22	6	- 9	Aberdeen	3·7	+0·3	33	3	22	—	—	40 6	+1·0
a Balmoral	930	51	11th	29	7th	43·1	32·0	37·4	+2·3	4	0·52	13	- 6	Balmoral	—	—	—	5	24	—	—	—	—
p Crieff	432	54	11th	31	9th	46·1	33·7	39 7	+0 6	5	0·58	15	- 6	Crathes	3·8	+0·5	34	6	24	37·6	—	39·4	—
a Dundee	244	56	11th	31	9th	48·6	33·7	40·9	+2 2	3	0·72	18	+ 5	Dundee	3·8	—	34	6	20	39·4	—	—	—
t Inchkeith (F. of Forth)	190	51	11th	36	7, 9, 10	47·0	37·7	42·2	—	4	0·62	16	—	Inchkeith (F. of Forth)	3·8	—	35	0	32	—	—	—	—
p Edinburgh	441	51	11th	34	9, 10	46·1	37·0	41·4	+2·4	3	0·59	15	+ 4	Edinburgh	4·0	+0·6	36	3	27	—	—	—	—
a West Linton	769	49	11th	30	10th	46 1	33·4	39 6	+3·5	5	0·76	19	—	West Linton	—	—	—	4	25	—	—	—	—
a Marchmont	498	52	11th	31	8, 9, 10	47·1	33·3	40·0	+1·9	5	0·59	15	- 1	Marchmont	3·8	+0·8	35	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	52	10th	28	10th	47.3	35·8	41·4	—	5	0·63	16	—	Ford (Argyll)	—	—	—	4	25	41·0	—	41·5	—
t Renfrew	49	52	11th	30	10th	47·9	36·4	42·0	—	4	0.60	15	—	Renfrew	3·0	—	27	3	23	—	—	—	—
p Rothesay	200	50	5, 11	32	10th	47·1	36·4	41·6	+1 1	6	0·94	24	0	Rothesay	2·8	—	25	4	26	41·0	—	43·0	+1·3
a Kilmarnock	90	51	11th	31	10th	48·1	36·4	42·1	+2·8	4	0·87	22	+ 3	Kilmarnock	3·0	—	27	—	—	41·2	—	42·7	—
a Colmonell	170	50	6, 8	35	10th	48·3	37·7	42·8	+2·9	5	0.61	15	- 8	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	51	11th	31	10th	47·7	36·3	41·8	+2·0	4	1·01	26	+ 7	Dumfries	3·2	—	29	3	25	41·2	+2·2	41·9	+1·3
t Eskdalemuir	794	51	11th	29	10th	44·4	32·3	38·2	—	5	1·78	45	—	Eskdalemuir	2·9	—	26	4	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	49	5, 6	33	10th*	46 9	37 7	42·2	+1·3	5	0·62	16	- 4	Douglas	3·6	- 0·2	32	1	27	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	11th	30	11th	49 0	35 7	42 2	+3 0	5	0·41	10	- 6	Cockle Park	4·8	+1·2	43	6	27	39·0	+1·8	40·9	+1·3
t Tynemouth	118	53	5th	33	10, 11	48·3	37·1	42·5	+2·9	2	0·13	3	- 8										
p Durham	336	52	5, 11	28	11th	48 7	34·0	41·1	+2·2	6	0·30	8	- 3	Durham	2·4	- 0·7	22	5	22	—	—	—	—
a North: *p* Rounton	249	52	5th	28	11th	47.6	34·0	40 6	+1 9	5	0·60	15	+ 4	Rounton	—	—	—	6	19	40·4	—	—	—
a West Witton	605	50	5th	28	11th	46·1	35·9	40·9	—	5	1·40	36	—	West Witton	—	—	—	4	23	39·8	—	39·6	—
h Scarborough	118	53	5th	33	11th	48·0	38·4	43·1	+2·6	5	0·46	12	0	Scarborough †	2·6	- 0·7	23	—	—	—	—	42·6	—
p York	56	54	5th	31	11th	48·6	37 0	42 6	+2·3	4	0·73	19	+ 8	York	1·7	- 1·1	15	—	—	41 5	+2 0	42·1	+0·9
b, South: *t* Spurn Head	26	52	5th	33	11th	47·4	38·1	42·6	+2·6	6	0·87	22	+13	Spurn Head	3·2	—	29	—	—	—	—	—	—
a Lincoln	58	55	5th	28	11th	48 6	35·9	42·1	+1·9	4	0·72	18	+ 8	Lincoln	—	—	—	2	26	41·7	+3·1	42·7	+1·9
t Cranwell	237	55	5th	28	11th	48·3	36·9	42 4	+2 3	5	0·72	18	+ 7	Cranwell	2 8	- 0·7	25	2	21	—	—	—	—
3. ENGLAND, E.														Skegness	3 8	+0·1	34	—	—	—	—	—	—
a Cromer	196	55	5th	33	11th	49·7	38·0	43·7	+3·7	5	0·41	10	+ 1	Cromer	3·4	- 0·1	30	—	—	—	—	—	—
a Little Massingham	277	53	5th	29	11th	47·6	37·7	42·5	+3·1	3	0·70	18	+ 5	Lit Massingham	3 8	+0 6	33	—	—	—	—	—	—
t Yarmouth	13	53	5, 6	31	11th	49·1	39·1	44 0	+4·4	3	0·46	12	+ 1	Yarmouth	3·6	—	32	1	29	44·6	+3·8	45·0	+1·8
a Norwich	93	54	5, 6	29	11th	49 7	38·0	43·7	+3·3	3	0·54	14	+ 2	Norwich	3·2	—	28	2	22	42·4	—	—	—
a Geldeston	37	55	5, 6	28	11th	51·1	36 4	43·5	+3 2	3	0·39	10	- 1	Geldeston	3·8	+0·4	34	—	—	—	—	—	—
p Cambridge	41	56	6th	25	11th	50·6	36·7	43·4	+2·9	4	0·38	10	+ 1	Cambridge	4·4	+1·1	39	2	24	44·7	+4·0	45·1	+2·5
t Clacton-on-Sea	54	51	5, 9	33	11th	48·7	40·3	44 4	+4·5	4	0·47	12	+ 3	Clacton-on-Sea	3·7	0·0	32	2	27	44·4	+3·0	45·7	+2·1
a Rothamsted	420	53	6th	27	11th	47·9	37·7	42 7	+2·9	4	0·67	17	+ 4	Rothamsted	4·7	+1·5	42	3	20	42·7	—	—	—
p Tottenham	51	55	5th	31	11th	50·4	39·9	45·0	—	4	0·53	13	—	Tottenham	4·2	—	38	—	—	—	—	45·6	+2·5
4. MIDLAND COUNTIES.														Southend	4·2	—	37	0	31	45·0	—	—	—
h Harrogate	479	51	5th	30	11th	46 0	35 3	40·5	+1·8	5	0·80	20	+ 5	Harrogate	2 2	- 1·0	20	2	26	40 4	+1·8	41·2	+1·2
a North: *p* Sheffield	429	52	5, 6	32	11th	47·4	36·7	41·9	—	5	0·96	24	—	Sheffield	2·3	- 0 5	20	1	27	40·7	+2·2	41·3	+0.7
p Buxton	987	49	5, 6	28	11th	44·3	33·9	39·0	+2·0	6	1·30	33	+ 6	Buxton	2·1	—	19	2	24	40·1	+2·5	40 7	+0·5
a Worksop	56	55	5, 6	28	11th	50·1	36·6	43 2	+2·9	6	0·52	13	+ 2	Worksop	2·1	- 0·7	19	4	22	42·5	—	42·9	—
t Nottingham	82	55	5th	29	11th	48 6	38·4	43·4	+3·4	5	0·84	21	+10	Nottingham	2·4	- 0·4	22	2	24	41·1	+2·5	42·0	+2·4
b, East: *p* Birmingham, Edgbsn.	525	52	5, 6	31	11th	47·4	36·1	41·6	+1·8	4	0·69	18	+ 6	Birmingham	2·7	+0·4	24	2	18	42·1	+2·3	44·5	+1·3
a Raunds	213	58	5th	25	11th	53·1	37·0	43·4	+3·5	4	0·76	19	+ 8	Raunds	3·2	—	28	2	18	43·5	—	—	—
p Oxford	208	54	6th	27	11th	49·6	37·6	43·4	+2·7	4	0·83	21	+10	Oxford	4·1	+1·1	36	3	21	—	—	—	—
														Malvern	3·0	—	27	2	26	43·0	—	43·8	—
s, West: *a* Cheadle (N. Staffs.)	646	51	5, 6	29	11th	47·4	33·6	40·3	+1·5	5	1·10	28	+13	Cheadle	—	—	—	5	23	—	—	—	—
p Tenbury	313	53	5th	26	11th	49·1	36·1	42·4	+2·0	5	1·36	35	+25	Tenbury	—	—	—	2	22	43·5	—	—	—
a Hereford	291	53	6th	28	11th	49·0	35·6	42·1	+1·4	4	0·88	22	+10	Ross on Wye	3·2	—	29	2	21	43·5	—	44·9	—
a Clifton	225	53	6th	29	11th	48 1	38·7	43·3	+2·0	5	0·83	21	+ 5	Clifton	4·1	—	36	1	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	52	5th	23	11th	48·3	34 4	41·1	+1·7	5	1·15	29	+12	Worthing	4·1	+0·3	37	2	27	45·6	+3·5	46·0	+2·1
a Porton	340	52	5th	20	11th	48·9	33·3	40·9	—	4	0·83	21	—	Marlborough	4·0	+1·2	35	3	19	41·5	—	40·0	—
a Wisley, Surrey	150	54	5th	28	11th	49·4	38·1	43·6	+3·1	4	0·95	24	+11	Porton	—	—	—	3	13	44·0	—	—	—
h Tunbridge Wells	354	53	5th	30	10, 11	49 7	37·3	43·3	+3·1	4	1·02	26	+ 9	Wisley, Surrey	4·4	+1·3	39	3	19	44·1	+3·3	45·1	+2·5
h Margate	51	54	5, 6	36	10th	49·6	40·4	44 9	+3·7	4	0·66	17	+ 6	Tunbridge Wells	2·7	- 0·7	24	5	20	44·7	—	45·2	—
t Dungeness	21	51	6th	33	11th	48·9	41·1	44·9	+4·4	3	0·48	12	0	Margate	2·1	- 1·3	19	0	32	45·3	+3·5	46·0	+2·8
h St. Leonards	178	51	5th	35	10th	48·9	40·7	44·7	+3·6	5	0·74	19	+ 4	Folkestone	2·5	—	22	0	32	—	—	46.4	—
p Southampton	64	54	5th	28	11th	50·7	38·6	44·5	+2·2	4	1·02	26	+10	St. Leonards	2·1	- 1·6	18	1	29	45·3	—	45·3	—
a Ventnor	59	52	5th	33	11th	49·4	40·0	44·6	+1·8	3	1·00	26	+12	Southampton	4·7	+1·2	41	3	17	—	—	—	—
														Ventnor	3·4	- 0·5	30	—	—	—	—	—	—
LONDON: *t* Richmond (Kew Obs.)	18	54	5, 6	31	11th	49·5	39·9	44·6	+3·5	4	0·77	20	+ 8	Richmond	4·5	+1·7	40	2	22	44·6	+3·8	45·5	+2·4
a Westminster	27	55	5th	33	11th	50·9	41·4	46·0	+4·2	4	0·68	17	+ 6	Westminster	4·2	+2·2	37	2	27	—	—	—	—
a Greenwich	149	55	5, 6	30	11th	50.3	39·0	44·5	+2·9	4	0·53	13	+ 1	Greenwich	4·0	+1·2	36	2	28	—	—	—	—
a Hampstead	450	53	6th	31	11th	48·6	37·6	42·9	—	4	0·68	17	—	Hampstead	5·0	—	44	3	21	—	—	—	—
ag Camden Square	110	55	5, 6	28	11th	51·0	38·4	44·5	+3·1	4	0·58	15	+ 3	Camden Square	—	—	—	2	26	44·1	—	44·6	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	49	5th	28	10th	44·9	35·6	40·1	+0 9	5	0·57	15	- 6	Aspatria	2·2	- 0·8	20	1	23	40·9	+1 0	42·8	+0·7
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	5, 6	30	11th	46·3	37·1	41·6	+2·4	5	1·22	31	+ 7	Stonyhurst	1·8	- 1·0	16	2	25	—	—	—	—
h Blackpool	66	53	6th	34	10th	48 1	39 0	43 4	+3·4	5	0·54	14	- 1	Blackpool	2·9	- 0·6	26	2	28	43 5	—	43·9	—
h Southport	37	54	6th	34	10, 11	48·1	38·4	43·1	+2 8	5	0·28	7	- 8	Southport	2 6	- 0·7	23	2	26	41 5	+2·1	42 4	+1 6
														Hoylake	3 1	0·0	28			—	—	—	—
t Liverpool (Bidston)	188	54	5th	35	10th	47·9	38·6	43·1	+2·3	4	0·33	8	- 4	Liverpool	2·2	—	20	1	29	—	—	—	—
a Hawarden Bridge	22	56	5, 6	35	7,10,11	50·1	38·7	44·2	+2·7	5	0·63	16	+ 6	Manchester City	1·6	- 0·4	15	1	30	42·0	+3·2	43 2	+1 1
p Manchester (Whit. Pk.)	125	55	6th	31	11th	48·3	37·7	42·8	+1·8	6	0·71	18	+ 4	„ Whit Pk.	1·4	- 0·5	12	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	55	5th	37	7th	48 4	40·9	44·5	+2·6	4	0·69	17	+ 3	Llandudno	3 0	- 0·3	27	—	—	—	—	—	—
t Holyhead	15	51	5th	39	10th	47·6	42·3	44·9	+3·3	2	0·24	6	- 11	Holyhead	2 8	—	25	0	38	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a " *t* " in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by " *h* " have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	5th	34	7th	47·7	39·1	43·3	—	5	1·35	34	—	3·0	− 0·2	27	—	—	—	—	—	—
a Rhayader	757	50	5, 6	28	11th	45·1	34·4	39·6	—	5	1·74	44	—	2·3	—	20	3	20	—	—	—	—
t Pembroke	149	50	5th	37	8th	47·6	41·4	44·4	+2·6	6	1·22	31	+13	4·1	+0·5	36	—	—	—	—	—	—
p Cardiff	202	53	5, 6	31	11th	49·1	38·1	43·4	+2·8	5	1·27	32	+10	3·5	—	31	2	24	44·5	+3·4	45·1	+2·0
b, ENGLAND, S.W.																						
h Bath	66	54	5th	27	11th	49·7	37·4	43·4	+2·5	5	0·82	21	+ 6	Bath	4·3	+0·9	38	—	—	45·6	—	46·0	—
a Shaftesbury	722	53	7th	29	11th	50·0	36·0	42·8	+3·4	4	0·91	23	+ 7	Shaftesbury ..	—	—	—	—	—	44·3	—	45·1	—
a Arlington	613	52	6th	28	11th	47·4	36·4	41·7	+1·7	5	1·41	36	+ 8									
h Newquay	190	54	6, 7	32	11th	49·8	40·4	45·0	+1·9	4	0·76	19	+ 2	Newquay ..	5·6	+1·8	49	—	—	47·2	—	48·2	—
a Cullompton	202	54	5, 6	26	11th	50·9	36·3	43·4	+2·2	4	0·76	19	0	Cullompton ..	4·1	+0·8	36	3	16	46·3	—	—	—
t Portland Bill	19	52	5, 6	34	11th	48·7	42·0	45·3	+3·1	4	0·47	12	− 2	Weymouth ..	4·5	—	40	—	—	—	—	—	—
p Plymouth	116	53	7th	32	11th	51·1	40·0	45·4	+2·7	3	0·47	12	− 8	Plymouth ..	4·9	+1·2	43	2	24	46·5	+3·4	47·9	—
h Falmouth	167	54	5th	33	11th	51·0	39·7	45·2	+2·1	4	1·05	27	+ 2	Falmouth ..	5·5	+1·6	48	1	24	46·4	—	48·9	—
9. IRELAND, N.																						
t Malin Head	71	49	5th	34	7th	46·7	39·1	42·8	+2·1	7	0·55	14	0	Malin Head ..	3·8	—	34	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	50	5th	35	10th	48·3	39·6	43·8	+1·7	5	0·73	19	− 6									
a Mallarany	120	53	11th	33	10th	47·9	37·4	42·5	—	6	1·78	45	—	Mallarany ..	1·9	—	17	3	26	—	—	—	—
p Markree Castle.. ..	122	51	5th	30	7, 10	48·1	35·9	41·8	+1·4	7	0·91	23	+ 2	Markree Castle	1·9	− 1·2	17	3	23	42·5	+0·4	45·0	+1·4
b, East .. *p* Armagh	204	51	6th	29	10th	48·9	35·6	42·1	+1·7	5	0·60	15	+ 1	Armagh ..	3·2	+0·2	28	4	21	42·4	+1·5	44·1	+1·1
t Donaghadee	35	51	5th	31	8th	48·6	37·0	42·6	+1·7	4	0·43	11	− 3									
														Trinity Coll.	—	—	—	1	30	44·0	+1·7	45·5	+1·4
10. IRELAND, S.														Phœnix Park	3·7	− 0·2	33	2	26	—	—	—	—
p Dublin City	54	54	5th	35	10th	49·1	38·7	43·8	+1·4	5	0·20	5	− 7	Dublin City ..	—	—	—	0	32	—	—	—	—
t Birr Castle	175	51	5, 6	31	10th	48·3	36·1	42·0	+1·4	5	0·70	18	+ 3	Birr Castle ..	2·8	− 0·6	25	3	26	—	—	—	—
a Kilkenny	195	52	5, 6	31	7th	49·3	35·4	42·1	+1·0	4	0·37	9	− 6									
a Waterford	137	52	5, 6, 7	34	10th	50·3	37·4	43·7	+1·4	5	0·57	15	− 2									
p Seskin, Carrick-on-Suir	542	51	5th	32	10th	47·7	35·7	41·5	—	4	0·28	7	—	Seskin ..	4·1	—	36	2	28	—	—	—	—
a Foynes	50	52	6th	35	7,10,11	48·7	37·4	42·9	+0·5	6	0·42	11	− 8									
t Cahirciveen (Val. Obs.)	30	50	5th	39	10th	48·1	42·7	45·3	+1·5	5	0·70	18	− 11	Cahirciveen ..	3·6	− 0·2	32	0	33	—	—	—	—
a Killarney	174	52	5, 11	31	10th	49·6	37·9	43·6	+0·8	6	0·84	21	− 9	Ballinacurra	3·9	− 0·4	34	—	—	—	—	—	—
t Roche's Point	32	51	5th	35	10th	49·1	40·3	44·6	+1·5	4	0·34	9	− 10									
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	54	5th	38	11th	51·1	42·7	46·8	+1·8	5	1·24	32	+14	Scilly ..	5·0	+1·3	45	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	5th	34	11th	49·7	42·3	45·9	+2·2	5	0·96	25	+ 7	St. Heliers ..	3·6	− 0·3	32	—	—	—	—	—	—
p Guernsey† ..	173	57	5th	37	11th	50·9	42·4	46·5	+2·3	6	0·98	25	+ 6	Guernsey ..	3·5	− 0·4	31	2	28	46·9	+2·6	48·0	+2·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 11th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h. m/s.	d. hr.	m.p.h	m/s. d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	4, 5, 6, 9	33	94	37	4	0	150	37 16	5 9	—	— — — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	22	121	25	0	210	23 10	6 14	53	24 6 13 40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	6	4	34	119	11	0	220	28 13	6 14	—	— — — —
Edinburgh	485	39	31	—	0	5, 6	18	115	35	0	0	180	32 14	5 7	24	53 5 8 30
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	5 to 7, 9	24	78	50	16	0	200	34 15	5 9	51	23 5 9 20
Paisley	188	81	15	—	0	5, 6	4	71	93	0	0	190	25 11	5 8	55	25 6 11 25
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	60	92	16	0	230	22 10	6 12	39	17 6 11 25
South Shields	72	61	12	—	0	9	2	68	91	7	0	40	26 12	9 23	45	20 6 14 15
Spurn Head	67	41	‡	—	0	5 to 8, 10	30	98	40	0	0	180	31 14	5 11	51	23 7 12 10
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	5 to 8	30	76	54	8	0	170	32 14	8 8	50	22 8 10 0
Shoeburyness	103	90	‡	—	0	5, 6, 8	22	70	58	7	11	—	38 17	8 13	61	27 8 13 0
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	5, 7, 8	15	76	47	30	0	230	30 14	7 8	51	23 8 10 25
5. ENGLAND, S.E.																
Brighton	261	53	6	8	4	5 to 8	11	66	77	10	0	—	43 19	8 9	67	30 8 8 5
Larkhill, S'y Plain ..	550	43	‡	8	2	5, 7, 8, 10	38	70	55	3	0	320	41 18	8 10	68	30 8 4 50
Richmond (Kew Obs.) ..	82	65	22	—	0	5, 8	8	62	70	28	0	220	28 13	5 18	51	23 7 4 25
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	5, 7 to 9	17	106	40	5	0	270	32 14	9 7	—	— — — —
Southport	80	62	48	—	0	5 to 9	36	94	35	3	0	270	32 15	8 13	53	24 5 13 10
Holyhead	60	40	‡	—	0	5 to 10	59	89	20	0	0	270	35 16	8 13	51	23 5 5 40
8. ENGLAND, S.W.																
Pendennis Castle § ..	256	65	24	5, 8	25	5 to 8, 10	46	42	44	3	8	210	67 30	8 3	103	46 8 3 30
Plymouth	185	88	2	8	4	5 to 8	37	50	56	21	0	—	61 27	8 4	96	43 8 4 10
Lyme Regis	556	61	‡	—	0	5, 8	6	50	62	45	5	—	31 14	8 9	48	22 8 8 35
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	5, 6, 8 to 10	46	69	27	1	25	260	37 17	8 13	—	— — — —
Quilty	100	40	‡	—	0	5, 7 to 9	40	78	46	4	0	—	30 15	8 13	49	22 8 12 50
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	5, 9, 10	10	111	41	6	0	210	39 17	5 3	59	26 5 3 15
Weaver Pt.	160	30	‡‡‡	5	6	5, 6, 8 to 10	23	90	43	1	5	—	43 19	5 1	59	27 5 8 50
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	7, 8	8	5 to 8	46	53	32	29	0	270	76 34	8 3	—	— — — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. **For Deerness the week ends at midnight on Friday. § Direction from the Robinson Anemograph at Falmouth Observatory.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TENTH WEEK of 1922—March 5th to March 11th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	51	29	45·6	35·7	40·5	+ 2·2	10	+ 2	21	− 13	5	0	1·19	30	+ 1	2·0	− 0·7	19	996
Eastern.																			
1. SCOTLAND, EAST ..	54	29	46·3	34·8	40·4	+ 2·0	12	+ 2	23	− 15	4	− 1	0·49	13	− 3	3·7	+0·6	34	998
2. ENGLAND, N.E. ..	55	28	48·3	36·3	42·1	+ 2·4	17	+ 3	16	− 13	5	+ 1	0·55	14	+ 2	3·0	− 0·3	27	1002
3. ENGLAND, EAST ..	56	25	49·4	38·2	43·7	+ 3·6	23	+ 6	11	− 19	4	0	0·51	13	+ 2	4·0	+0·6	35	1006
4. MIDLAND COUNTIES	58	25	48·5	36·5	42·4	+ 2·5	18	+ 1	15	− 17	5	+ 1	0·86	22	+10	2·9	− 0·1	26	1004
5. ENGLAND, S.E. ..	54	20	49·3	38·4	43·7	+ 2·6	22	+ 3	10	− 14	4	0	0·86	22	+ 8	3·4	+0·1	30	1007
Western.																			
6. SCOTLAND, WEST ..	52	28	47·6	36·7	42·0	+ 2·0	15	+ 4	15	− 12	5	0	0·75	19	− 5	—	—	—	1000
7. ENGLAND, N.W. ..	56	28	47·7	38·7	43·1	+ 2·8	17	+ 4	9	− 16	5	+ 1	0·60	15	− 2	2·6	− 0·4	23	1003
8. ENGLAND, S.W. ..	54	26	49·1	38·2	43·5	+ 2·0	21	+ 3	11	− 10	5	+ 1	1·01	26	+ 5	4·2	+0·8	37	1006
9. IRELAND, NORTH ..	51	29	48·2	37·2	42·5	+ 1·5	17	+ 1	13	− 11	6	+ 1	0·66	17	− 1	2·5	− 0·5	23	1001
10. IRELAND, SOUTH ..	54	31	49·1	38·2	43·5	+ 1·2	21	− 1	11	− 9	5	+ 1	0·53	13	− 7	3·5	− 0·2	31	1005
11. ENGLISH CHANNEL..	57	34	50·6	42·5	46·4	+ 2·1	31	+ 6	0	− 9	5	0	1·06	27	+ 8	4·1	+0·2	36	1008
MEAN: DISTRICTS 1-10	58	20	48·4	37·3	42·7	+ 2·3	18	+ 3	13	− 14	5	+ 1	0·68	17	+ 1	3·3	+0·1	30	1003

THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, February 26th to March 11th, 1922.

0. SCOTLAND, NORTH ..	53	29	46·0	35·5	40·6	+ 2·4	22	+ 8	43	− 26	11	+ 1	3·08	78	+25	2·8	+ 0·3	26	995
Eastern.																			
1. SCOTLAND, EAST ..	54	25	46·9	34·9	40·7	+ 2·7	27	+ 10	45	− 33	9	0	1·18	31	+ 2	4·4	+ 1·5	41	998
2. ENGLAND, N.E. ..	59	28	49·3	37·3	43·1	+ 3·7	42	+ 16	27	− 34	11	+ 3	1·29	33	+ 9	3·5	+ 0·4	32	1004
3. ENGLAND, EAST ..	60	25	51·1	39·8	45·3	+ 5·6	59	+ 27	13	− 51	11	+ 3	1·22	31	+10	3·9	+ 0·8	35	1008
4. MIDLAND COUNTIES	59	25	49·8	38·0	43·7	+ 4·0	46	+ 13	22	− 44	12	+ 4	2·43	62	+38	3·0	+ 0·2	27	1007
5. ENGLAND, S.E. ..	56	20	50·7	40·9	45·7	+ 4·9	61	+ 25	10	− 42	11	+ 3	2·06	52	+25	3·4	+ 0·2	31	1010
Western.																			
6. SCOTLAND, WEST ..	54	28	48·4	37·7	42·9	+ 3·1	37	+ 16	25	− 31	11	+ 2	1·84	47	+ 2	—	—	—	1001
7. ENGLAND, N.W. ..	58	28	48·5	39·6	44·0	+ 3·9	41	+ 16	13	− 39	11	+ 3	1·65	42	+ 9	2·9	0·0	27	1004
8. ENGLAND, S.W. ..	58	26	50·2	40·3	45·1	+ 3·6	53	+ 17	11	− 32	12	+ 4	3·20	82	+41	3·8	+ 0·6	34	1008
9. IRELAND, NORTH ..	54	29	48·7	37·7	43·1	+ 1·8	39	+ 7	24	− 22	12	+ 2	1·52	39	+ 2	3·8	+ 1·0	35	1000
10. IRELAND, SOUTH ..	55	31	49·9	38·9	44·2	+ 1·7	48	+ 4	18	− 18	11	+ 3	1·74	44	+ 4	3·6	+ 0·3	33	1005
11. ENGLISH CHANNEL..	57	34	51·7	44·2	47·8	+ 3·6	81	+ 32	0	− 17	12	+ 3	2·57	65	+30	3·8	0·0	35	1011
MEAN: DISTRICTS 1-10..	60	20	49·4	38·5	43·8	+ 3·5	45	+ 15	21	− 35	11	+ 3	1·81	46	+14	3·6	+ 0·6	33	1005

THE YEAR. Aggregates, &c., for the Period of 10 Weeks, January 1st to March 11th, 1922.

0. SCOTLAND, NORTH ..	56	18	42·9	34·3	38·6	+0·5	38	− 29	274	− 80	51	0	11·72	298	− 6	1·5	0·0	17	1002
Eastern.																			
1. SCOTLAND, EAST ..	60	8	41·8	32·7	37·3	− 0·1	37	− 36	370	− 42	48	+ 7	6·42	164	+21	2·1	0·0	23	1004
2. ENGLAND, N.E. ..	62	12	43·5	33·7	38·7	+ 0·1	83	− 13	314	− 20	46	+ 8	5·68	145	+44	2·2	+ 0·1	24	1008
3. ENGLAND, EAST ..	61	16	45·2	34·7	40·0	+ 1·4	121	+13	260	− 97	44	+ 5	6·45	164	+64	2·5	+ 0·2	26	1011
4. MIDLAND COUNTIES	61	11	45·0	33·7	39·4	+ 0·8	108	− 10	292	− 76	48	+ 9	7·68	194	+76	2·1	+ 0·1	22	1010
5. ENGLAND, S.E. ..	60	17	46·6	36·6	41·7	+ 1·8	155	+19	176	−108	48	+10	7·41	189	+61	2·5	+ 0·2	27	1011
Western.																			
6. SCOTLAND, WEST ..	55	15	44·3	35·4	39·9	+ 0·5	76	− 21	226	− 60	55	+ 8	12·40	315	+66	—	—	—	1006
7. ENGLAND, N.W. ..	61	20	45·1	36·3	40·7	+ 1·0	104	− 1	195	− 80	49	+ 8	8·25	210	+45	2·1	+ 0·1	23	1007
8. ENGLAND, S.W. ..	58	13	47·4	37·8	42·7	+ 1·6	175	+13	128	− 91	51	+ 9	10·49	268	+70	2·3	0·0	25	1010
9. IRELAND, NORTH ..	57	22	46·9	37·9	42·5	+ 1·7	152	+12	120	−119	58	+ 9	9·98	254	+64	2·4	+ 0·4	27	1004
10. IRELAND, SOUTH ..	60	23	48·7	39·0	43·9	+ 1·7	218	+14	86	−102	54	+ 9	10·27	260	+48	2·4	+ 0·1	26	1007
11. ENGLISH CHANNEL..	58	28	49·9	42·6	46·3	+ 2·1	325	+83	26	− 61	54	+ 7	8·67	220	+51	2·7	− 0·1	28	1011
MEAN: DISTRICTS 1-10 ..	62	8	45·5	35·8	40·7	+ 1·1	123	− 1	217	− 80	50	+ 8	8·50	216	+56	2·3	+ 0·1	25	1008
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
17th March, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE
25 MAR 1922
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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 11.

ELEVENTH WEEK
SUNDAY, MARCH 12TH. TO SATURDAY, MARCH 18TH, 1922.

Price 6d. Net. Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Atmospheric conditions during the week were mainly anticyclonic. There was a good deal of cloud, and at a few stations mist or fog was reported. Over the British Islands as a whole, however, the weather was fair and dry. There was heavy rain in South Devon on the 14th, when Torquay had 13mm. and Plymouth 8mm.; with this exception the week was practically rainless in all parts of the kingdom. The winds were easterly or north-easterly in direction, and during the early part of the week reached the force of a gale at a few of our south coast stations. Mean temperature was above the normal in all districts with the exception of England N.E. and the Midland Counties, and the mean daily range for the week was in a few instances nearly 20°F. The maximum temperatures occurred on various dates, and in several places readings above 55°F. were recorded. At one or two of the Scottish stations maxima above 60°F. were registered. Screen minima of about 25°F. occurred at a few stations in Scotland and also at Clifton (Gloucester), while the grass thermometer registered readings as low as 19°F. at Tunbridge Wells on the 12th and at Durham and Rounton (N. Riding) on the 14th. The mean amount of sunshine for the week varied greatly in different parts of the country; in some parts of England the mean for the week was considerably less than the normal, while on the other hand a number of stations had between 9 and 10 hours on three or four consecutive days. Amongst the largest amounts were 10·5 hours at Eastbourne and also at Worthing, and 10·2 hours at St. Leonard's on the 12th, 10·2 hours at Blackpool, 10·1 hours at Douglas (Isle of Man) on the 14th, 10·3 hours at Aberystwyth and 10·0 hours at Aberdovey on the 16th, while at Aspatria (Cumberland) the total for the six days 13th to 18th inclusive, was as much as 58 hours. The mean departure from the normal for the week ranged from +4·8 hours at Aspatria to −3·9 hours at Scilly. Solar halos were observed at St. Leonard's on the 14th and at Oxford, with parhelia, on the 18th. The Zodiacal Light was witnessed at Oxford on the evening of the 18th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	6	6	2·5	5	2	1·0	6	5	2·3	0	—	—	6	2	1·1	14	8	3·6	5	3	1·3	10	3	1·2
North	16	6	2·5	7	5	2·1	17	6	2·9	19	6	2·5	13	5	2·3	3	4	1·7	15	4	2·0	13	5	2·3
West	21	10	4·5	2	11	5·1	1	6	2·5	0	—	—	3	3	1·2	0	—	—	2	10	4·6	0	—	—
East	6	8	3·6	15	5	2·3	26	12	5·2	25	13	5·6	23	16	7·2	26	23	10·4	20	9	4·0	24	10	4·6
Calm (or wind-speed < 4 m.p.h.)	0	—	—	11	—	—	1	—	—	3	—	—	2	—	—	2	—	—	6	—	—	4	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Very Light	Very Light	Very Light	Very Light	Very Light	Nought	Nought	Nought	Very Light	Nought	Very Light	Light
	Sunshine ..	Moderate	Moderate	Very Scanty	Scanty	Scanty	Scanty	—	Very Abundant	Moderate	Abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 3 weeks from Feb. 26th, 1922.	Warmth ..	3, 0, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 2, 0	1, 2, 0	2, 1, 0	2, 1, 0	1, 2, 0	1, 2, 0	1, 2, 0	1, 2, 0
	Rainfall ..	1, 1, 1	1, 1, 1	2, 0, 1	2, 0, 1	2, 0, 1	2, 0, 1	1, 1, 1	1, 1, 1	2, 0, 1	0, 2, 1	1, 1, 1	2, 0, 1
	Sunshine ..	1, 2, 0	1, 2, 0	1, 1, 1	1, 1, 1	1, 1, 1	0, 2, 1	—	1, 2, 0	1, 2, 0	2, 1, 0	1, 2, 0	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	48	15th	31	12th	44·0	37·3	40·6	+2·2	3	0·07	2	- 17										
p Deerness, Orkney	165	48	12131516	35	13th	46·7	38·6	42·5	+3·5	3	0·06	1	- 18	Deerness	1·6	- 1·5	13	—	—	—	—	—	—
a Islands *t* Stornoway	51	52	15th	33	17, 18	48·0	38·1	42·9	+3·3	2	0·03	1	- 23	Stornoway	3·1	- 0·2	26	—	—	—	—	—	—
t Castlebay, Barra I.	37	51	15th	41	18th	48·7	43·4	46·0	—	0	0·00	0·1	—	Castlebay	5·8	—	50	—	—	—	—	—	—
t Wick	81	52	15th	33	13th	44·9	38·1	41·4	+2·3	2	0·04	1	- 13										
a Strathpeffer	125	56	15th	32	15th	47·3	35·9	41·4	+2·3	1	0·09	2	- 14										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	54	13th	30	14th	48·1	34·1	40·9	+1·5	1	0·02	1	- 21										
p Fort William	171	59	16th	32	14th	54·9	37·6	46·0	+5·7	0	0·00	0	- 41										
1. SCOTLAND, E.																							
t Nairn	82	52	15th	30	15th	46·0	37·6	41·7	+2·4	2	0·02	0·4	- 11	Nairn	2·1	—	18	—	—	—	—	—	—
p Gordon Castle	101	54	15th	31	18th	47·6	34·7	41·0	+1·1	2	0·05	1	- 12	Gordon Castle	2·5	—	22	—	—	—	—	—	—
t Aberdeen	46	51	13, 15	37	17, 18	46·6	39·6	43·0	+3·1	3	0·03	1	- 13	Aberdeen	1·2	- 2·6	11	0	33	—	—	41·1	+1·3
a Balmoral	930	57	13th	28	15th	50·9	32·6	41·5	+5·7	2	0·05	1	- 16	Balmoral	—	—	—	5	26	—	—	—	—
p Crieff	432	56	16th	30	14th	50·1	35·6	42 6	+2 7	0	0·00	0	- 18	Crathes	1·5	- 2·1	13	4	28	40·6	—	40·0	—
a Dundee	244	53	12th	28	14th	47·6	35·0	41·1	+1·5	0	0·00	0	- 12	Dundee	2·8	—	24	3	23	41·4	—	—	—
														Inchkeith (F. of Forth)	3·1	—	27	1	30	—	—	—	—
t Inchkeith (F. of Forth)	190	52	12th	33	15th	45·4	37·0	41·1	—	2	0·03	1	—										
p Edinburgh	441	52	12th	32	14th	44·6	35·9	40·1	+0·4	0	0·00	0 1	- 10	Edinburgh	3·8	+0·1	33	4	23	—	—	—	—
a West Linton	769	52	13th	25	15th	49 3	30·1	39·4	+2·7	0	0·00	0	—	West Linton	—	—	—	5	21	—	—	—	—
a Marchmont	498	52	12, 15	29	14th	47·6	33·4	40·3	+1·5	1	0·03	1	- 14	Marchmont	3·5	0·0	30	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	61	14th	32	15th	55.2	37·6	46·1	—	0	0·00	0	—	Ford (Argyll)	—	—	—	4	28	43·5	—	41·9	—
t Renfrew	49	57	12th	26	14th	52·3	34·7	43·2	—	0	0.00	0	—	Renfrew	5·4	—	46	3	22	—	—	—	—
p Rothesay	200	56	12th	34	18th	50·9	38·6	44·6	+3 4	0	0·00	0	- 19	Rothesay	7·1	—	60	0	33	43·4	—	43·1	+1·3
a Kilmarnock	90	58	14th	30	14, 15	54·9	35·3	44·8	+4·7	0	0·00	0	- 14	Kilmarnock	7·2	—	62	—	—	42·4	—	43·0	—
a Colmonell	170	62	14th	28	14th	55·9	33·3	44·3	+3·5	0	0.00	0	- 18	Colmonell	—	—	—	5	26	—	—	—	—
p Dumfries	160	56	16th	27	18th	53·3	33·4	43·1	+2·4	0	0·00	0	- 15	Dumfries	7·6	—	65	4	22	41·8	+2·3	42·1	+1·2
t Eskdalemuir	794	54	14th	26	16th	50·1	31·4	40·5	—	0	0·00	0	—	Eskdalemuir	6·6	—	57	4	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	54	12th	36	14th	47·0	38·9	42·8	+1·2	0	0·00	0	- 15	Douglas	6·0	+1·9	52	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	52	12th	28	14th	45·3	32·7	38·8	- 1·5	2	0·03	1	- 11	Cockle Park	2·0	- 2·2	17	3	23	39·3	+1·6	41·0	+1·2
t Tynemouth	118	50	12th	34	14th	44·3	37·6	40·9	+0·2	2	0·03	1	- 8										
p Durham	336	51	16th	29	14th	43·6	33·7	38·5	- 1·6	1	0·01	0·3	- 9	Durham	1·6	- 2·1	14	3	19	—	—	—	—
a North *p* Rounton	249	49	12th	29	14th	44.4	33·6	38·8	- 1·1	1	0·01	0·3	- 8	Rounton	—	—	—	4	19	39·9	—	—	—
a West Witton	605	50	12, 16	32	14th	44·6	35·0	39·7	—	3	0·05	1	—	West Witton	—	—	—	2	26	38·8	—	40·0	—
h Scarborough	118	47	12th	37	18th	42·7	38·4	40·5	- 1·1	3	0·03	1	- 8	Scarborough †	0·5	- 3·5	4	—	—	—	—	42·5	—
p York	56	50	12th	33	12th	44·7	37·1	40·8	- 0·7	0	0·00	0	- 8	York	1·0	- 2·3	9	—	—	41·1	+1·0	42·2	+0·8
t Spurn Head	26	48	12th	34	12th	44·1	37·0	40·5	- 0·6	1	0·01	0·3	- 7	Spurn Head	0·5	—	4	—	—	—	—	—	—
b, South *a* Lincoln	58	54	12th	31	12th	46·0	36·4	41·1	- 0·4	0	0·00	0	- 8	Lincoln	—	—	—	1	30	40·7	+1·5	42·9	+1·8
t Cranwell	237	52	12th	32	12th	44·6	34·9	39·6	- 1·8	1	0·02	1	- 8	Cranwell	1·1	- 3·0	9	2	28	—	—	—	—
														Skegness	1·5	- 2·9	13	—	—	—	—	—	—
3. ENGLAND, E.					12–14																		
a Cromer	196	49	12th	36	16–18	43·7	36·1	39·8	- 1·2	1	0·01	0·3	- 7	Cromer	1·6	- 2·5	13	—	—	—	—	—	—
a Little Massingham	277	52	12, 18	33	12th	45·9	35·7	40·7	+0·3	2	0·04	1	- 9	Lit Massingham	3·1	- 0·5	27	—	—	—	—	—	—
t Yarmouth	13	51	12th	37	12th	44·4	38·7	41·5	+1·0	0	0·00	0	- 8	Yarmouth	2·0	—	17	0	31	44·0	+2·5	44·9	+1·4
a Norwich	93	55	12th	33	12th	47 1	37·4	42·1	+0·6	2	0·03	1	- 8	Norwich	3·0	—	25	2	27	41·7	—	—	—
a Geldeston	37	55	12th	30	12th	46·9	35 0	40·8	- 0 5	0	0·00	0	- 8	Geldeston	2·7	- 1·2	23	—	—	—	—	—	—
p Cambridge	41	55	12, 18	30	12th	50·3	36·1	43 0	+1·4	0	0·00	0	- 7	Cambridge	4·3	+0·5	37	2	28	43·9	+2·4	45·2	+2·2
t Clacton-on-Sea	54	50	12th	38	12, 17	45·9	40·0	42·9	+2·0	0	0·00	0	- 7	Clacton-on-Sea	3·9	- 0·3	33	1	30	43·7	+1·6	45·4	+1·4
a Rothamsted	420	53	14th	31	12th	47·3	35·0	41·0	+0·2	0	0·00	0·1	- 9	Rothamsted	4·1	+0·4	35	2	22	41·4	—	—	—
p Tottenham	51	55	12th	31	12th	48·7	37·7	43·0	—	0	0·00	0	—	Tottenham	2·9	—	25	—	—	—	—	45·4	+2·0
														Southend	3·1	—	27	0	31	43·9	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	49	12th	33	14th	43 0	35·0	38·9	- 1·1	1	0·01	0·3	- 11	Harrogate	1·0	- 2·8	9	1	28	40 3	+1·3	41·3	+1·1
a North *p* Sheffield	429	51	12th	35	14th	43·4	36·4	39·8	—	1	0·02	1	—	Sheffield	0·1	- 3·2	1	1	30	39·4	+0·4	41·3	+0.6
p Buxton	987	51	12th	31	14th	41·6	33·4	37·4	- 0·9	0	0·00	0·1	- 20	Buxton	0·8	—	6	3	29	38·8	+0·7	41·1	+0·8
a Worksop	56	53	12th	29	12th	45·3	36·1	40·6	- 1·1	1	0·02	1	- 7	Worksop	0·5	- 2·8	4	2	25	41·5	—	42·9	—
t Nottingham	82	53	12th	30	12th	44·7	36·1	40·3	- 1·1	1	0·01	0·2	- 8	Nottingham	0·4	- 3·0	4	1	27	38·8	- 0·4	41·1	+1 2
b, East *p* Birmingham, Edgbsn.	525	53	12th	33	18th	46·1	36·0	40·9	- 0·3	0	0·00	0	- 9	Birmingham	1·5	- 1·2	13	0	33	40·8	+0·7	44·6	+1·5
a Raunds	213	54	12th	28	12th	48·6	34·4	41·3	0·0	1	0·01	0·3	- 8	Raunds	3·3	—	27	2	24	42·0	—	—	—
p Oxford	208	56	14th	35	14th	50·0	37·4	43·5	+1·4	0	0·00	0	- 8	Oxford	4·6	+1·1	39	1	29	—	—	—	—
														Malvern	2·7	—	23	0	32	42·2	—	43·8	—
a Cheadle (N. Staffs.)	646	53	12th	32	14th	44·0	34·7	39·2	- 1·0	0	0·00	0	- 11	Cheadle	—	—	—	3	29	—	—	—	—
s, West *p* Tenbury	313	53	12th	32	18th	47·1	36·1	41·4	- 0·4	1	0·01	0	- 8	Tenbury	—	—	—	3	27	42·8	—	—	—
a Hereford	291	52	12th	33	12th	45·7	35·4	40·4	- 1·7	0	0·00	0	- 9	Ross on Wye	2·2	—	19	1	30	42·8	—	44·7	—
a Clifton	225	52	16th	25	17th	46·9	35 1	40·8	- 1·8	0	0·00	0	- 12	Clifton	2·0	—	17	1	23	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	52	12th	32	12th	48·6	35·1	41·7	+1·2	0	0·01	0.3	- 12	Worthing	4·4	0·0	37	1	26	44·2	+1·4	46·0	+1·8
a Porton	340	53	12th	33	12th	47·9	36·0	41·8	—	0	0·00	0	—	Marlborough	2·5	- 0·7	22	4	27	43·7	—	45·8	—
a Wisley, Surrey	150	53	12th	33	12th	47·1	38·7	42·8	+1·1	0	0·00	0	- 9	Porton	—	—	—	1	28	42·5	—	—	—
h Tunbridge Wells	354	53	12, 14	28	12th	47·9	37·4	42·5	+1·1	0	0·00	0	- 12	Wisley, Surrey	2·1	- 1·4	18	2	24	42·9	+1·4	44·9	+2·0
h Margate	51	48	12, 14	36	12th	46·0	40·4	43·1	+0·8	0	0·00	0	- 7	Tunbridge Wells	2·8	- 1·1	24	2	19	43·4	—	44·9	—
														Margate	2·9	- 1 0	24	1	30	44·1	+1·6	45·8	+2·3
t Dungeness	21	50	14th	30	12th	46·9	40·1	43·4	+1·9	0	0·00	0	- 8	Folkestone	2·8	—	24	0	32	—	—	46.6	—
h St. Leonards	178	49	12, 14	36	12th	46·7	39·4	42·9	+0·7	1	0·01	0·3	- 10	St. Leonards	3·2	- 1·0	27	1	29	43·7	—	45·4	—
p Southampton	64	56	12th	33	12th	51·7	38·4	44·9	+1·5	0	0·00	0	- 11	Southampton	3·7	- 0·2	32	2	22	—	—	—	—
a Ventnor	59	52	12, 13	38	12th	49·3	40·7	44·9	+1·1	0	0·00	0	- 10	Ventnor	3·3	- 1·1	28	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	52	12th	38	12th	47·1	39·8	43·3	+1·1	0	0·00	0	- 8	Richmond	1·9	- 1·4	16	1	29	42·6	+1·1	45·5	+2·1
a Westminster	27	54	12th	37	12th	48·3	39·7	43·9	+1·0	0	0·00	0	- 8	Westminster	2·3	- 0·1	19	0	31	—	—	—	—
a Greenwich	149	54	12th	32	12th	47.4	38·1	42·6	+0·4	0	0·00	0	- 8	Greenwich	2·8	- 0·5	24	1	27	—	—	—	—
a Hampstead	450	52	12th	35	16th	45·7	37·0	41·2	—	1	0·01	0	—	Hampstead	3·3	—	28	2	27	—	—	—	—
ag Camden Square	110	55	12th	36	12, 16	48·9	38·4	43·5	+0·9	1	0·01	0	- 9	Camden Square	—	—	—	0	32	42·4	—	44·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	56	14th	29	141518	51·0	31·7	41·1	+0 7	0	0·00	0	- 16	Aspatria	8·4	+4·8	72	5	25	41·1	+0·8	42·9	+0·7
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	53	12th	34	14th	46·7	36·4	41·4	+1·0	0	0·00	0	- 19	Stonyhurst	4·5	+1·2	38	0	31	—	—	—	—
h Blackpool	66	56	12th	33	14th	49 1	36 3	42 5	+1·3	0	0·00	0	- 12	Blackpool	6·5	+2·5	55	3	29	42·9	—	44·2	—
h Southport	37	53	12th	30	14th	49·7	34·6	41·9	+0 4	0	0·00	0	- 12	Southport	5·0	+1·2	42	5	23	40 0	- 0·2	42·3	+0 9
														Hoylake	4·0	+0·5	34			—	—	—	—
t Liverpool (Bidston)	188	51	12th	31	14th	47·3	36·9	42·0	0·0	0	0·00	0	- 10	Liverpool	3·8	—	32	2	26	—	—	—	—
a Hawarden Bridge	22	52	12th	30	14th	48·4	38·0	43·1	+0·4	0	0.00	0	- 8	Manchester City	4·1	+1·7	35	0	31	40·2	+0·8	43·5	+1·2
p Manchester (Whit. Pk.)	125	55	12th	31	16th	49·6	36·0	42·6	+0·3	0	0·00	0	- 12	,, Whit. Pk.	4·6	+2·4	39	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	53	16th	33	14th	49.0	37·4	43·0	0·0	0	0·00	0	- 11	Llandudno	6·5	+2·7	56	—	—	—	—	—	—
t Holyhead	15	51	17th	37	14, 18	48·1	39·0	43·4	+0·7	0	0·00	0	- 14	Holyhead	6 4	—	55	0	35	—	—	—	—
a Aberdovey	60	55	12th	35	14th	49·3	38·4	43·7		0	0·00	0	—	Aberdovey	6·7	+2·9	56	0	32	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	58	16th	37	14, 16, 18	52·0	38·7	45·2	—	1	0·01	0	—	Aberystwyth	7·2	+3·6	61	—	—	—	—	—	—
a Rhayader	757	51	12th	31	14th	44·3	35·0	39·5	—	1	0·02	1	—	Rhayader ..	2·7	—	23	2	23	—	—	—	—
t Pembroke	149	51	12th	38	15th	47·4	40·6	43·9	+1·1	0	0·00	0	- 13	Pembroke ..	2·4	- 1·7	20	—	—	—	—	—	—
p Cardiff	202	52	12th	33	14th	47·3	37·4	42·2	+0·3	0	0·00	0	- 15	Cardiff ..	2·2	—	19	2	29	42·7	+1·1	45·1	+1·8
b, ENGLAND, S.W.																							
h Bath	66	53	12th	36	14th	48·7	38·6	43·5	+1·3	0	0·00	0	- 11	Bath	2·2	- 1·5	19	—	—	44·2	—	46·0	—
a Shaftesbury	722	51	12th	32	14th	46·6	35·6	40·9	+0·2	1	0·01	0·2	- 11	Shaftesbury ..	—	—	—	—	—	42·6	—	45·0	—
a Arlington	613	52	16th	31	18th	46·7	36·1	41·2	0·0	1	0·15	4	- 15										
h Newquay	190	56	13th	39	15, 16	49·8	41·3	45·4	+1·3	2	0·23	6	- 6	Newquay ..	3·1	- 1·0	27	—	—	45·6	—	48·0	—
a Cullompton	202	53	12th	33	15th	47·6	37·1	42·2	- 0·3	1	0·04	1	- 12	Cullompton ..	1·3	- 2·3	11	3	22	44·4	—	—	—
t Portland Bill	19	50	12, 13	39	14, 15	47·7	40·1	43·8	+0·5	2	0·02	1	- 9	Weymouth ..	2 8	—	23	—	—	—	—	—	—
p Plymouth	116	53	13th	40	14, 15	49·1	42·1	45·5	+1·6	2	0·32	8	- 6	Plymouth ..	3·4	- 0·7	29	0	38	44·5	+0·7	47·5	—
h Falmouth	167	53	12th	40	12th	48·9	43·3	46·0	+1·8	1	0·03	1	- 16	Falmouth ..	1·7	- 2·5	15	0	36	47·1	—	48·6	—
9. IRELAND, N.																							
t Malin Head	71	49	15th	38	14th	47·4	40·9	44·1	+2·0	1	0·02	1	- 11	Malin Head ..	6·5	—	56	—	—	—	—	—	—
t Blacksod Point ..	10	52	13, 15	36	16th	50·0	41·3	45·5	+2·0	0	0·00	0	- 20										
a, West .. *a* Mallarany	120	55	14, 15	34	14th	51·1	39·7	45·2	—	0	0·00	0	—	Mallarany ..	3·6	—	31	1	25	—	—	—	—
p Markree Castle.. ..	122	58	14th	30	16th	52·3	36·6	44·2	+2·4	0	0·00	0	- 17	Markree Castle	5·7	+2·5	48	4	26	44·5	+2·0	45·0	+1·3
p Armagh..	204	53	12th	31	17th	50·0	35·7	42·6	+0·7	0	0·00	0	- 12	Armagh ..	4·9	+1·8	42	4	25	43·2	+1·8	44·3	+1·2
b, East .. *t* Donaghadee	35	50	14th	38	14th	47·1	40·3	43·6	+1·3	0	0·00	0	- 11										
														Trinity Coll. Phœnix Park	— 3·9	— +0·4	— 33	0 4	31 26	44·4 —	+1·7 —	45·4 —	+1·1 —
10. IRELAND, S.																							
p Dublin City	54	52	12th	37	17th	48·7	40·9	44·7	+1·0	0	0·00	0	- 9	Dublin City ..	—	—	—	0	33	—	—	—	—
t Birr Castle	175	55	16th	31	17th	51·3	36·9	43·9	+2·0	1	0·01	0·2	- 12	Birr Castle ..	5·2	+2·1	44	3	27	—	—	—	—
a Kilkenny	195	54	16th	32	17th	50·9	37·3	43·9	+1·4	0	0·00	0	- 11										
a Waterford	137	52	13th	39	17th	49·1	41·1	45·0	+1·3	0	0·00	0·1	- 13										
p Seskin, Carrick-on-Suir	542	52	15th	34	14th	48·9	37·9	43·2	—	0	0·00	0	—	Seskin ..	3·3	—	28	3	27	—	—	—	—
a Foynes	50	54	15th	36	17th	51·0	39·7	45·2	+1·4	0	0·00	0	- 14										
t Cahirciveen (Val. Obs.)	30	57	15th	39	14th	53·1	43·4	48·1	+3·1	1	0·04	1	- 21	Cahirciveen ..	5·7	+2·2	49	0	34	—	—	—	—
a Killarney	174	58	16th	34	14th	53·2	41·2	47·0	+2·9	0	0·00	0	- 23	Ballinacurra	1·4	- 2·5	12	—	—	—	—	—	—
t Roche's Point	32	51	12th	41	14th	48·4	43·6	45·9	+1·6	1	0·04	1	- 13										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	52	12th	35	12th	50·3	43·9	47·0	+1·1	2	0·10	3	- 8	Scilly ..	0·8	- 3·9	7	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	14, 18	38	12th	51·9	41·3	46·4	+1·5	1	0·04	1	- 10	St. Heliers ..	5·0	+0·1	42	—	—	—	—	—	—
p Guernsey† ..	173	51	12, 14, 18	40	12th	50·1	43·0	46·5	+1·1	2	0·10	3	- 9	Guernsey ..	3·6	- 1·4	30	1	30	45·9	+0·9	48·0	+2·1

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 18th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o									
**Deerness (Cup Anr.) ..	188	16	5	—	0	11	10	51	102	5	0	270	29	13	11	21	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	41	127	0	300	7	3	12	6	19	9	12	6	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	4	97	67	0	300) 50 (	13	6	12	12 19	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	6	97	65	0	260	9	9	12	1	27	12	12	0	25
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	16	119	33	0	70	18	8	16	16	26	11	12	18	5
Paisley	188	81	15	—	0	—	0	3	128	37	0	70	13	6	17	16	25	11	17	11	5
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	0	64	104	0	10	11	5	12	12	20	9	12	12	15
South Shields	72	61	12	—	0	—	0	3	92	73	0	290	14	6	12	2	21	9	12	2	15
Spurn Head	67	41	‡	—	0	—	0	56	99	13	0	70	16	7	12	19	23	11	13	2	5
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	13	2	86	72	8	0	80	25	11	13	2	31	14	13	3	15
Shoeburyness	103	90	‡	—	0	—	0	56	28	0	84	60	19	9	15	15	27	12	15	12	50
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	14	142	12	0	50	18	8	13	15	31	14	13	15	0
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	13,14	9	59	100	0	0	—	30	13	13	16	44	20	13	18	55
Larkhill, S'y Plain ..	513	63	43	—	0	13	7	91	70	0	0	70	27	12	13	14	34	15	13	4	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	81	77	10	0	50	23	10	13	21	39	18	13	21	40
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	27	126	15	0	130	16	7	18	18	—	—	—	—	—
Southport	80	62	48	—	0	—	0	48	118	2	0	70	24	11	14	12	34	15	14	11	45
Holyhead	60	40	‡	—	0	12 to 15	36	57	62	13	0	60	35	16	14	8	45	20	14	7	40
8. ENGLAND, S.W.																					
Pendennis Castle § ..	256	65	24	12,13,16	15	12 to 18	109	36	8	0	0	70	52	23	13	9	65	29	13	8	15
Plymouth	185	88	2	—	0	12,13	13	106	46	3	0	—	30	14	13	5	56	25	13	9	35
Lyme Regis	556	61	‡	—	0	—	0	27	92	43	6	—	21	9	13	16	?34	?15	13	7	55
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	52	81	35	0	80	23	11	13	4	—	—	—	—	—
Quilty	100	40	‡‡	—	0	—	0	41	96	16	15	—	21	10	17	10	31	14	13	10	45
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	13,17	4	63	90	11	0	60	20	11	13	10	40	18	13	12	55
Weaver Pt.	160	30	‡‡	—	0	13,17	3	120	45	0	0	—	27	12	13	12	40	18	13	12	25
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	13	1	13 to 18	80	67	11	9	0	90	40	18	13	11	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. **For Deerness the week ends at midnight on Friday. § Direction from the Robinson Anemograph at Falmouth Observatory.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1922—March 12th to March 18th, 1922.

DISTRICTS (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	59	30	47·9	36·9	42·2	+ 3·1	16	+ 7	14	- 17	2	- 3	0·04	1	- 25	2·3	- 0·6	20	1027
Eastern.																			
1. SCOTLAND, EAST ..	57	25	47·9	35·1	41·3	+ 2·1	17	+ 4	21	- 14	2	- 2	0·03	1	- 13	2·5	- 1·1	21	1028
2. ENGLAND, N.E. ..	54	28	44·4	35·7	39·9	- 1·0	7	- 12	21	- 6	1	- 3	0·02	1	- 8	1·3	- 2·7	11	1027
3. ENGLAND, EAST ..	55	30	46·7	36·9	41·6	+ 0·5	13	- 10	16	- 12	1	- 2	0·01	0	- 8	3·1	- 0·8	26	1025
4. MIDLAND COUNTIES	56	25	46·1	35·6	40·7	- 0·6	11	- 13	21	- 7	1	- 2	0·01	0	- 9	1·5	- 1·9	13	1025
5. ENGLAND, S.E. ..	56	28	47·9	38·6	43·1	+ 0·9	17	- 6	10	- 11	0	- 3	0·00	0	- 10	3·0	- 0·9	25	1024
Western.																			
6. SCOTLAND, WEST ..	62	26	52·8	36·0	44·1	+ 3·3	32	+ 17	17	- 7	0	- 4	0·00	0	- 19	—	—	—	1027
7. ENGLAND, N.W. ..	56	29	48·7	36·4	42·4	+ 0·9	18	0	16	- 5	0	- 4	0·00	0	- 13	6·0	+ 2·6	51	1025
8. ENGLAND, S.W. ..	53	31	47·4	38·6	42·9	+ 0·2	16	- 8	10	- 7	1	- 3	0·06	2	- 12	3·0	- 0·8	26	1022
9. IRELAND, NORTH ..	58	30	49·7	38·6	44·0	+ 1·6	24	+ 4	10	- 10	0	- 5	0·00	0	- 15	5·3	+ 2·2	45	1025
10. IRELAND, SOUTH ..	58	31	50·7	40·5	45·5	+ 1·9	29	+ 2	4	- 11	0	- 4	0·01	0	- 15	4·1	+ 0·7	34	1022
11. ENGLISH CHANNEL.	55	35	50·8	42·7	46·6	+ 1·2	32	+ 1	0	- 6	2	- 2	0·08	2	- 9	3·1	- 1·8	26	1019
MEAN: DISTRICTS 1-10	62	25	48·2	37·2	42·6	+ 1·0	18	- 2	15	- 9	1	- 3	0·01	0	- 12	3·3	- 0·3	28	1025

THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, February 26th to March 18th, 1922.

0. SCOTLAND, NORTH ..	59	29	46·6	35·9	41·1	+ 2·6	38	+ 15	57	- 43	13	- 2	3·12	79	0	2·7	0·0	24	1006
Eastern.																			
1. SCOTLAND, EAST ..	57	25	47·2	35·0	40·9	+ 2·5	44	+ 14	66	- 47	11	- 2	1·21	32	- 11	3·8	+ 0·7	34	1008
2. ENGLAND, N.E. ..	59	28	47·7	36·7	42·0	+ 2·1	49	+ 4	48	- 40	12	0	1·31	34	+ 1	2·7	- 0·7	24	1011
3. ENGLAND, EAST ..	60	25	49·6	38·8	44·0	+ 3·8	72	+ 17	29	- 63	12	+ 1	1·23	31	+ 2	3·6	+ 0·2	32	1014
4. MIDLAND COUNTIES	59	25	48·6	37·2	42·7	+ 2·5	57	0	43	- 51	13	+ 2	2·44	62	+ 29	2·5	- 0·5	22	1013
5. ENGLAND, S.E. ..	56	20	49·8	40.1	44·8	+ 3·6	78	+ 19	20	- 53	11	0	2·06	52	+ 15	3·3	- 0·1	29	1014
Western.																			
6. SCOTLAND, WEST ..	62	26	49·9	37·1	43·3	+ 3·2	69	+ 33	42	- 38	11	- 2	1·84	47	- 17	—	—	—	1009
7. ENGLAND, N.W. ..	58	28	48·6	38·5	43·4	+ 2·8	59	+ 16	29	- 44	11	- 1	1·65	42	- 4	3·9	+ 0·9	35	1011
8. ENGLAND, S.W. ..	58	26	49·2	39.7	44·3	+ 2·4	69	+ 9	21	- 39	13	+ 1	3·26	84	+ 29	3·5	+ 0·1	31	1013
9. IRELAND, NORTH ..	58	29	49·0	38·0	43·4	+ 1·8	63	+ 11	34	- 32	12	- 3	1·52	39	- 13	4·3	+ 1·4	38	1008
10. IRELAND, SOUTH ..	58	31	50·2	39·4	44·6	+ 1·7	77	+ 6	22	- 29	11	- 1	1·75	44	- 11	3·8	+ 0·5	33	1010
11. ENGLISH CHANNEL..	57	34	51·4	43·7	47·4	+ 2·8	113	+ 33	0	- 23	14	+ 1	2·65	67	+ 21	3·6	- 0·6	32	1013
MEAN: DISTRICTS 1-10..	62	20	49·0	38·1	43·3	+ 2·6	64	+ 13	35	- 44	12	- 1	1·83	47	+ 2	3·5	+ 0·3	31	1011

THE YEAR. Aggregates, &c., for the Period of 11 Weeks, January 1st to March 18th, 1922.

0. SCOTLAND, NORTH ..	59	18	43·4	34·5	39·0	+0·8	54	- 22	288	- 97	53	- 3	11·76	299	- 31	1·6	- 0·1	18	1004
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·3	32·9	37·6	0·0	54	- 32	391	- 56	50	+ 5	6·45	165	+ 8	2·1	- 0·1	23	1006
2. ENGLAND, N.E. ..	62	12	43·6	33·9	38·8	0·0	90	- 25	335	- 26	47	+ 5	5·70	146	+ 36	2·1	- 0·2	22	1010
3. ENGLAND, EAST ..	61	16	45·4	34·9	40·2	+ 1·4	134	+ 3	276	-109	45	+ 3	6·46	164	+ 56	2·5	0·0	26	1012
4. MIDLAND COUNTIES	61	11	45·1	33·9	39·5	+ 0·7	119	- 23	313	- 83	49	+ 7	7·69	194	+ 67	2·0	- 0·2	21	1011
5. ENGLAND, S.E. ..	60	17	46·7	36·8	41·8	+ 1·7	172	+13	186	-119	48	+ 7	7·41	189	+ 51	2·6	+ 0·2	27	1012
Western.																			
6. SCOTLAND, WEST ..	62	15	45·1	35·4	40·3	+ 0·8	108	- 4	243	- 67	55	+ 4	12·40	315	+ 47	—	—	—	1008
7. ENGLAND, N.W. ..	61	20	45·4	36·3	40·9	+ 1·1	122	- 1	211	- 85	49	+ 4	8·25	210	+ 32	2·4	+ 0·3	26	1009
8. ENGLAND, S.W. ..	58	13	47·4	37·8	42·7	+ 1·4	191	+ 5	138	-101	52	+ 6	10·55	270	+ 58	2·4	0·0	25	1011
9. IRELAND, NORTH ..	58	22	47·1	38·0	42·6	+ 1·7	176	+16	130	-129	58	+ 4	9·98	254	+ 49	2·7	+ 0·6	29	1006
10. IRELAND, SOUTH ..	60	23	48·9	39·1	44·0	+ 1·7	247	+16	90	-113	54	+ 5	10·28	260	+ 33	2·5	+ 0·1	27	1008
11. ENGLISH CHANNEL..	58	28	49·9	42·6	46·3	+ 2·0	357	+84	26	- 67	56	+ 5	8·75	222	+ 42	2·7	- 0·3	28	1012
MEAN: DISTRICTS 1-10 ..	62	8	45·7	35·9	40·8	+ 1·1	141	- 3	231	- 89	51	+ 5	8·52	217	+ 44	2·4	+ 0·1	25	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th March, 1922.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 12.

TWELFTH WEEK.

SUNDAY, MARCH 19TH, TO SATURDAY, MARCH 25TH, 1922.

Price 6d. Net. Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The week was notable for the rapid change in the pressure distribution towards the end of the period, when a depression from the south of Iceland passed south-eastwards across Great Britain to the English Channel. The weather was generally unsettled, with very bright intervals. Snow fell in many places and hail was reported at a number of stations. North-easterly gales prevailed on exposed parts of the Channel coast. The largest amounts of sunshine were usually recorded during the middle days of the week, when between 10 and 11 hours were registered in several places. Amongst the largest amounts obtained were 11·0 hours at Armagh on the 21st, 10·6 hours at Cardiff, 10·3 hours at Aberystwyth, Plymouth and Burnley on the 22nd, 11·1 hours at Crathes (Kincardine), 10·9 hours at Clifton (Gloucester) and 10·8 hours at Torquay on the 23rd, while the total for the two days, 22nd and 23rd, at Falmouth and Cullompton (Devon) was as much as 21 hours. The mean departure from the normal for the week ranged from +2·3 hours at Ballinacurra (Co. Cork) to —3·3 hours at Guernsey. Mean temperature was below the normal at all stations, the deficit in some instances being more than 5°F. Maxima above 50°F. were recorded at a number of stations, generally on the 19th, but several of the night minima were very low for the time of year. Screen temperatures considerably below the freezing point were registered in many places, usually on the 23rd or 24th, while at a few stations the grass thermometer recorded readings below 15°F. Precipitation (rain or snow) was slightly above the normal in England N.E. and English Channel, but below in most of the other districts. Amongst the largest measurements were 21mm. at Mallarany (Co. Mayo) on the 23rd, 12mm. at Buxton, and also at Eskdalemuir and Killarney, 11mm. at Falmouth, Tenby, Arlington (Devon) on the 24th, and 12mm. at Cahirciveen (Valencia Observatory) on the 25th. Aurora was witnessed at Aberdeen on the 20th. Solar halos were observed at Aberdeen (with parhelion) on the 22nd and at Ross-on-Wye on the 24th. The Zodiacal Light was seen at Tenbury on the 22nd, 23rd and 25th. The observations at Oxford for the week included Solar halos on the 24th and (with parhelion) on the 25th, and the Zodiacal Light on the 20th, 22nd, 23rd and 25th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	11	12	5·3	6	11	4·9	4	14	6·4	3	9	4·0	3	13	5·7	20	6	2·8	6	4	1·8	1	10	4·6
North	12	18	8·2	14	11	4·8	24	11	5·1	24	10	4·6	23	12	5·2	24	11	4·8	20	12	5·5	23	12	5·2
West	14	7	3·0	12	6	2·5	6	6	2·5	5	7	3·2	9	11	4·8	7	22	9·7	14	11	4·9	10	16	7·3
East	8	6	2·7	3	5	2·3	19	20	8·9	16	8	3·7	18	13	5·6	19	12	5·3	13	12	5·3	14	7	3·3
Calm (or wind-speed < 4 m.p.h.)	2	—	—	6	—	—	0	—	—	1	—	—	1	—	—	1	—	—	1	—	—	4	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ..	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ..	Scanty	Moderate	Scanty	Scanty	Moderate	Moderate	—	Moderate	Abundant	Moderate	Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 4 weeks from Feb. 26th, 1922.	Warmth ..	3, 1, 0	2, 1, 1	2, 1, 1	2, 1, 1	1, 2, 1	1, 2, 1	2, 1, 1	2, 1, 1	1, 2, 1	1, 2, 1	1, 2, 1	1, 2, 1
	Rainfall ..	1, 1, 2	1, 2, 1	2, 1, 1	2, 1, 1	2, 1, 1	2, 1, 1	1, 1, 2	1, 2, 1	2, 1, 1	0, 3, 1	1, 2, 1	2, 1, 1
	Sunshine ..	1, 2, 1	1, 3, 0	1, 1, 2	1, 1, 2	1, 2, 1	0, 3, 1	—	1, 3, 0	2, 2, 0	2, 2, 0	2, 2, 0	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.			
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
t Lerwick	54	45	23rd	29	20th	40·1	34·7	37·3	- 1·3	5	0·32	8	- 9									
p Deerness, Orkney	165	46	23rd	31	20, 21	42·9	34·7	38·7	- 0·5	6	0·67	17	+ 2	Deerness	2·0	- 1·4	16	—	—	—	—	—
a Islands t Stornoway	51	46	23rd	33	21st	44·3	35·7	39·9	0·0	4	0·20	5	- 18	Stornoway	2·7	- 0·9	22	—	—	—	—	—
t Castlebay, Barra I.	37	47	19th	34	21st	43·3	39·1	41·1	—	5	0·31	8	—	Castlebay	2·6	—	21	—	—	—	—	—
t Wick	81	46	23rd	28	20th	42·4	33·7	37·9	- 1·5	5	0·64	16	+ 3									
a Strathpeffer	125	50	23rd	30	21, 25	43·9	33·3	38·4	- 1·3	3	0·41	10	- 5									
b, Main- p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
land. a Fort Augustus	68	48	23rd	28	23, 25	43·9	31·6	37·6	- 2·3	3	0·33	8	- 12									
p Fort William	171	48	23rd	27	23rd	44·7	32·1	38·2	- 2·6	5	0·38	10	- 27									
1. SCOTLAND, E.																						
t Nairn	82	49	23rd	29	23rd	44·1	31·9	37·8	- 2·1	5	0·59	15	+ 4	Nairn	2·3	—	19	—	—	—	—	—
p Gordon Castle	101	50	23rd	30	23rd	43·1	33·0	37·9	- 2·6	5	0·71	18	+ 5	Gordon Castle	—	—	—	—	—	—	—	—
t Aberdeen	46	47	23rd	30	23rd	42·0	33·7	37·7	- 2·7	5	0·85	22	+ 8	Aberdeen	3·4	- 0·8	28	3	21	—	41·7	+1·7
a Balmoral	930	43	23rd	16	23rd	39·4	26·9	33·0	- 3·4	5	0·69	18	+ 1	Balmoral	—	—	—	6	14	—	—	—
p Crieff	432	48	23, 25	25	23rd	43·1	29·9	36·3	- 4·2	4	0·32	8	- 10	Crathes	4·0	0·0	33	5	22	38·3	—	40·5	—
a Dundee	244	48	23rd	25	23rd	43·7	30·7	37·0	- 3·2	6	0·61	15	+ 3	Dundee	3·7	—	30	6	17	40·0	—	—	—
t Inchkeith (F. of Forth)	190	47	25th	32	21st	42·3	35·3	38·7	—	3	0·23	6	—	Inchkeith (F. of Forth)	4·7	—	38	2	24	—	—	—	—
p Edinburgh	441	44	23, 25	29	23rd	41·1	32·3	36·6	- 3·6	4	0·24	6	- 4	Edinburgh	4·5	+0·5	37	4	20	—	—	—	—
a West Linton	769	47	19th	19	23rd	43·6	27·1	35·1	- 2·2	4	0·29	7	—	West Linton	—	—	—	6	14	—	—	—	—
a Marchmont	498	44	23, 25	28	23, 24	40·4	30·6	35·4	- 4·0	6	0·71	18	+ 3	Marchmont	2·4	- 1·4	19	—	—	—	—	—	—
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	47	23rd	21	23rd	43·9	28·8	36·1	—	4	0·76	19	—	Ford (Argyll)	—	—	—	5	20	41·5	—	42·6	—
t Renfrew	49	49	25th	24	23rd	43·6	30·1	36·7	—	4	0·15	4	—	Renfrew	3·7	—	31	6	16	—	—	—	—
p Rothesay	200	45	23, 25	30	20th	43·4	34·3	38·7	- 2·9	4	0·46	12	- 8	Rothesay	4·4	—	36	6	22	40·6	—	43·6	+1·5
a Kilmarnock	90	49	25th	26	23rd	45·4	30·7	37·8	- 2·7	3	0·24	6	- 9	Kilmarnock	4·4	—	36	—	—	40·5	—	43·3	—
a Colmonell	170	50	25th	29	23rd	45·4	32·0	38·5	- 2·6	3	0·23	6	- 12	Colmonell	—	—	—	6	26	—	—	—	—
p Dumfries	160	46	23rd	28	21, 23	41·3	30·3	35·6	- 5·6	3	0·19	5	- 10	Dumfries	3·4	—	28	7	19	40·2	0·0	42·3	+1·0
t Eskdalemuir	794	44	25th	22	23rd	39·9	27·6	33·6	—	5	0·58	15	—	Eskdalemuir	3·5	—	29	6	17	—	—	—	—
b, I. OF MAN h Douglas	284	45	25th	31	22nd	43·1	33·9	38·4	- 3·4	4	0·42	11	- 5	Douglas	4·1	- 0·6	34	4	27	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	46	24th	28	22nd	41·8	33·0	37·3	- 3·2	7	0·57	15	+ 2	Cockle Park	4·0	- 0·5	33	5	20	37·9	- 0·8	41·2	+1·1
t Tynemouth	118	44	24, 25	31	22nd	41·1	34·0	37·5	- 3·3	7	0·62	16	+ 6									
p Durham	336	45	25th	27	22nd	41·0	31·0	35·9	- 4·5	6	0·67	17	+ 7	Durham	2·9	- 1·1	24	6	19	—	—	—	—
a North p Rounton	249	44	19, 24, 25	24	22nd	42·3	30·4	36·2	- 4·0	6	0·55	14	+ 4	Rounton	—	—	—	6	13	39·0	—	—	—
a West Witton	605	46	25th	24	22nd	40·1	30·3	35·1	—	7	0·64	16	—	West Witton	—	—	—	5	21	37·2	—	40·0	—
h Scarborough	118	46	24th	32	21st	41·4	34·9	38·1	- 3·6	5	0·29	7	- 3	Scarborough †	2·9	- 1·5	24	—	—	—	—	42·7	—
p York	56	44	25th	24	22nd	40·7	31·6	36·0	- 5·9	6	0·44	11	+ 1	York	3·3	- 0·4	27	—	—	40·3	- 0·6	42·5	+0·9
t Spurn Head	26	45	24th	30	22nd	41·9	33·7	37·7	- 3·7	4	0·21	5	- 3	Spurn Head	4·0	—	33	—	—	—	—	—	—
b, South a Lincoln	58	46	24, 25	29	22nd	42·4	32·4	37·3	- 4·7	5	0·36	9	0	Lincoln	—	—	—	4	25	39·0	- 1·2	42·9	+1·4
t Cranwell	237	45	24th	24	23rd	41·0	30·9	35·8	- 6·1	5	0·29	7	- 3	Cranwell	3·7	- 0·8	30	5	16	—	—	—	—
														Skegness	2·8	- 2·0	23	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	47	24th	31	21, 22	42·4	33·4	37·8	- 3·7	5	0·17	4	- 6	Cromer	3·4	- 1·1	28	—	—	—	—	—	—
a Little Massingham	277	45	25th	29	21st	39·9	32·7	36·2	- 4·7	5	0·44	11	- 3	Lit Massingham	2·9	- 1·2	23	—	—	—	—	—	—
t Yarmouth	13	46	25th	27	24th	40·7	34·0	37·3	- 3·7	5	0·46	12	0	Yarmouth	—	—	—	2	25	41·9	- 0·6	44·7	+0·8
a Norwich	93	45	25th	26	24th	41·1	32·7	36·8	- 5·2	5	0·46	12	- 2	Norwich	3·4	—	28	5	18	39·0	—	—	—
a Geldeston	37	47	25th	23	24th	42·7	30·9	36·6	- 5·2	4	0·43	11	- 1	Geldeston	3·7	- 0·7	30	—	—	—	—	—	—
p Cambridge	41	48	25th	29	23rd	42·4	33·3	37·7	- 4·4	2	0·25	6	- 4	Cambridge	3·7	- 0·6	30	3	25	42·1	- 0·3	45·2	+1·8
t Clacton-on-Sea	54	48	25th	27	24th	41·9	34·4	38·0	- 3·4	5	0·28	7	- 3	Clacton-on-Sea	3·9	- 0·7	32	3	21	41·4	- 1·5	45·5	+1·1
a Rothamsted	420	44	25th	28	21, 23	40·4	31·9	36·0	- 5·3	3	0·26	7	- 7	Rothamsted	4·3	+0·2	36	5	24	39·2	—	—	—
p Tottenham	51	47	25th	31	21, 23	43·0	34·6	38·7	—	2	0·17	4	—	Tottenham	3·3	—	27	—	—	—	—	45·2	+1·4
														Southend	3·4	—	28	—	—	—	—	—	—
4. MIDLAND COUNTIES.																						
North h Harrogate	479	47	25th	22	22nd	40·7	30·0	35·2	- 4·7	5	0·51	13	+ 1	Harrogate	3·7	- 0·4	30	5	18	38·7	- 1·0	41·5	+0·9
p Sheffield	429	45	25th	27	22nd	40·1	31·6	35·7	—	5	0·21	5	—	Sheffield	2·7	- 1·0	22	4	24	37·4	- 2·4	41·1	+0·2
p Buxton	987	41	25th	25	22nd	36·9	29·4	33·0	- 5·3	4	0·58	15	- 7	Buxton	2·4	—	20	5	23	36·8	- 2·0	41·0	+0·6
a Worksop	56	47	24, 25	26	22nd	43·1	31·4	37·1	- 4·5	6	0·27	7	- 3	Worksop	3·0	- 0·6	25	5	18	39·9	—	42·8	—
t Nottingham	82	47	25th	29	22nd	41·6	32·7	37·0	- 4·4	3	0·18	5	- 4	Nottingham	4·0	+0·3	33	4	23	37·5	- 2·6	40·4	+0·1
b, East p Birmingham, Edgbsn.	525	47	25th	28	22, 23	40·0	31·1	35·4	- 5·8	4	0·28	7	- 4	Birmingham	3·1	+0·1	25	6	23	37·9	- 2·7	44·1	+1·0
a Raunds	213	49	25th	27	23rd	42·6	31·7	37·0	- 4·4	4	0·24	6	- 3	Raunds	3·9	—	32	5	25	40·2	—	—	—
p Oxford	208	49	25th	28	23rd	42·7	31·3	36·8	- 5·3	2	0·19	5	- 5	Oxford	4·2	+0·2	34	7	23	—	—	—	—
														Malvern	4·6	—	37	3	25	39·3	—	43·5	—
a Cheadle (N. Staffs.)	646	44	25th	27	21, 22, 23	39·7	30·3	34·9	- 5·3	3	0·27	7	- 6	Cheadle	—	—	—	6	18	—	—	—	—
c, West p Tenbury	313	46	25th	28	22, 23	41·0	29·7	35·2	- 6·5	4	0·42	11	+ 2	Tenbury	—	—	—	7	23	39·8	—	—	—
a Hereford	291	48	25th	28	22, 23	42·0	30·6	36·1	- 6·0	3	0·33	8	- 2	Ross on Wye	4·0	—	33	6	23	39·1	—	44·2	—
a Clifton	225	45	25th	29	22, 23	41·3	31·9	36·5	- 6·2	2	0·11	3	- 11	Clifton	4·6	—	37	4	25	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	47	25th	—	—	42·0	29·6	35·6	- 5·2	4	0·38	10	- 5	Worthing	5·8	+0·9	48	4	20	42·7	- 0·8	45·9	+1·3
a Porton	340	49	25th	22	24th	44·0	29·9	36·7	—	2	0·18	5	—	Marlborough	2·2	- 1·4	18	4	—	41·3	—	45·5	—
a Wisley, Surrey	150	49	25th	29	21st	42·7	34·0	38·2	- 3·8	3	0·11	3	- 8	Porton	—	—	—	4	13	40·6	—	—	—
h Tunbridge Wells	354	49	19th	24	24th	43·0	31·9	37·3	- 4·4	4	0·42	11	- 3	Wisley, Surrey	3·3	- 0·8	27	4	20	40·4	- 1·8	44·4	+1·1
h Margate	51	44	19th	31	22nd	40·6	35·1	37·8	- 4·8	3	0·15	4	- 6	Tunbridge Wells	2·6	- 1·9	21	4	12	42·3	—	44·8	—
														Margate	2·8	- 1·6	23	0	31	41·7	- 1·5	45·4	+1·5
t Dungeness	21	49	25th	28	21, 24	43·0	35·0	38·9	- 2·9	4	0·48	12	+ 1	Folkestone	3·7	—	30	5	25	—	—	46·7	—
h St. Leonards	178	49	19th	29	24th	42·3	33·7	37·9	- 4·6	5	0·73	19	+ 6	St. Leonards	3·9	- 0·9	32	3	24	41·8	—	45·2	—
p Southampton	64	50	19, 25	29	23rd	45·0	32·6	38·6	- 5·1	3	0·19	5	- 9	Southampton	5·1	+0·6	41	5	20	—	—	—	—
a Ventnor	59	53	19th	29	24th	45·4	33·9	39·5	- 4·5	3	0·19	5	- 7	Ventnor	5·1	+0·1	42	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	48	25th	31	21, 23	42·5	35·0	38·6	- 3·9	5	0·12	3	- 7	Richmond	3·4	- 0·4	28	4	26	40·1	- 2·1	45·1	+1·3
a Westminster	27	48	25th	31	21, 23	43·6	35·1	39·2	- 4·0	3	0·14	4	- 6	Westminster	3·0	+0·2	25	4	25	—	—	—	—
a Greenwich	149	48	25th	30	21, 23	43·7	34·1	38·8	- 3·7	2	0·05	1	- 10	Greenwich	2·4	- 1·4	20	4	23	—	—	—	—
a Hampstead	450	42	23rd	28	21st	39·4	31·3	35·2	—	3	0·16	4	—	Hampstead	3·8	—	31	6	21	—	—	—	—
ag Camden Square	110	48	25th	30	21, 23	43·9	33·1	38·3	- 4·8	3	0·16	4	- 7	Camden Square	—	—	—	4	27	40·4	—	44·4	—
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	44	25th	25	22nd	40·3	29·3	34·6	- 6·0	6	0·16	4	- 12	Aspatria	3·5	- 0·6	29	6	17	38·9	- 1·9	42·6	+0·2
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	43	25th	26	22nd	40·9	31·1	35·9	- 4·7	7	1·40	36	+17	Stonyhurst	4·2	+0·4	35	4	20	—	—	—	—
h Blackpool	66	45	25th	25	22nd	42·0	32·4	37·1	- 4·3	4	0·26	7	- 5	Blackpool	4·2	- 0·4	35	6	18	40·9	—	44·1	—
h Southport	37	45	25th	25	22nd	42·0	31·8	36·8	- 4·9	3	0·20	5	- 7	Southport	5·3	+0·8	43	6	18	37·9	- 3·2	41·8	- 0·2
														Hoylake	4·6	+0·4	37	—	—	—	—	—	—
t Liverpool (Bidston)	188	43	25th	28	22, 23	41·0	32·3	36·5	- 5·7	3	0·56	14	+ 4	Liverpool	3·6	—	29	4	23	—	—	—	—
a Hawarden Bridge	22	46	25th	27	22nd	42·0	33·0	37·4	- 5·5	2	0·46	12	+ 3	Manchester City	3·0	0·0	24	3	25	37·8	- 2·3	43·2	+0·6
p Manchester (Whit. Pk.)	125	45	25th	28	22nd	41·3	32·0	36·5	- 6·0	4	0·24	6	- 6	„ Whit. Pk.	2·0	- 0·7	16	—	—	—	—	—	—
b, NORTH WALES.																						
h Llandudno	22	44	25th	30	24th	42·0	34·7	38·2	- 4·9	3	0·43	11	0	Llandudno	4·0	- 0·4	33	—	—	—	—	—	—
t Holyhead	15	45	25th	33	24th	42·7	36·4	39·5	- 3·3	4	0·65	17	+ 3	Holyhead	4·3	—	35	1	30	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked g a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	46	19th	29	22nd	43·0	33·0	37·9	—	4	0·32	8	—	Aberystwyth	5·5	+1·3	45	—	—	—	—	—	—
a Rhayader	757	42	25th	24	22nd	38·3	29·1	33·6	—	5	0·57	14	—	Rhayader ..	3·5	—	29	5	19	—	—	—	—
t Pembroke	149	49	19th	29	22nd	44·6	35·7	40·0	- 2·7	3	0·24	6	- 8	Pembroke ..	5·3	+0·6	43	—	—	—	—	—	—
p Cardiff	202	47	25th	28	22nd	42·6	31·7	37·0	- 5·0	2	0·11	3	- 14	Cardiff ..	5·9	—	48	5	21	39·9	- 2·4	44·8	+1·3
b, ENGLAND, S.W.																							
h Bath	66	47	25th	26	24th	43·0	32·1	37·4	- 5·0	3	0·13	3	- 10	Bath	4·4	0·0	36	—	—	42·1	—	45·7	—
a Shaftesbury	722	46	19, 25	25	22, 23	41·3	29·3	35·1	- 5·9	3	0·20	5	- 9	Shaftesbury ..	—	—	—	—	—	40·2	—	44·4	—
a Arlington	613	51	19th	28	22nd	42·4	31·7	36·9	- 4·4	4	0·88	22	0										
h Newquay	190	50	19th	31	22nd	44·2	35·9	39·9	- 4·2	3	0·40	10	- 4	Newquay ..	6·2	+1·5	51	—	—	44·6	—	47·7	—
a Cullompton	202	47	25th	29	22, 24	43·1	32·4	37·6	- 5·1	4	0·32	8	- 7	Cullompton ..	4·5	+0·2	37	6	16	42·6	—	—	—
t Portland Bill	19	49	19th	29	22nd	44·1	33·4	38·6	- 4·6	2	0·21	5	- 6	Weymouth ..	5·6	—	46	—	—	—	—	—	—
p Plymouth	116	53	19th	30	22nd	45·6	33·9	39·6	- 4·4	2	0·41	10	- 6	Plymouth ..	6·5	+1·8	53	4	26	42·7	- 2·0	47·1	—
h Falmouth	167	51	19th	28	23rd	46·4	35·1	40·6	- 3·6	3	0·67	17	- 2	Falmouth ..	6·4	+1·4	52	5	23	44·8	—	48·6	—
9. IRELAND, N.																							
t Malin Head	71	46	19, 23, 24	30	23rd	44·1	36·7	40·3	- 1·5	4	0·43	11	- 2	Malin Head ..	3·3	—	27	—	—	—	—	—	—
t Blacksod Point	10	49	19th	30	22nd	45·9	38·0	41·8	- 1·4	3	0·64	16	- 6										
a, West .. *a* Mallarany	120	52	19, 25	29	22nd	48·6	35·3	41·8	—	4	1·31	33	—	Mallarany ..	4·2	—	34	4	20	—	—	—	—
p Markree Castle..	122	51	23rd	25	22nd	48·0	32·4	40·0	- 1·7	3	0·90	23	+ 5	Markree Castle	3·6	- 0·3	29	5	19	43·4	+0·1	45·0	+1·1
p Armagh	204	48	19th	28	21, 22	45·4	31·9	38·5	- 3·1	4	0·20	5	- 8	Armagh ..	3·7	- 0·1	30	4	18	42·0	- 0·1	44·4	+1·1
b, East .. *t* Donaghadee ..	35	46	19, 25	31	25th	44·4	36·9	40·5	- 1·5	4	0·33	8	- 4										
														Trinity Coll. Phœnix Park	— 3·3	— - 1·1	— 27	3 5	27 20	43·0 —	- 0·4 —	45·5 —	+1·0 —
10. IRELAND, S.																							
p Dublin City	54	48	19, 24	33	21st	45·1	36·1	40·5	- 3·1	4	0·31	8	- 3	Dublin City ..	—	—	—	2	29	—	—	—	—
t Birr Castle	175	50	19th	25	22nd	46·3	33·1	39·5	- 2·4	3	0·37	10	- 3	Birr Castle ..	3·3	- 0·5	27	5	17	—	—	—	—
a Kilkenny	195	51	19, 24	29	22nd	46·3	33·4	39·7	- 2·7	3	0·33	8	- 5										
a Waterford	137	53	20th	29	22nd	46·7	33·9	40·1	- 3·5	4	0·27	7	- 8										
p Seskin, Carrick-on-Suir	542	52	19, 24	27	22, 23	46·9	31·6	39·0	—	3	0·16	4	—	Seskin ..	4·6	—	37	6	22	—	—	—	—
a Foynes	50	53	19th	30	22nd	47·4	36·0	41·5	- 2·2	3	0·56	14	- 2										
t Cahirciveen (Val. Obs.)	30	53	19th	34	21, 22	47·0	37·6	42·2	- 2·6	3	0·87	22	- 2	Cahirciveen ..	5·4	+1·1	44	2	27	—	—	—	—
a Killarney	174	52	19th	29	22nd	48·4	34·6	41·3	- 2·7	3	1·07	27	+ 2	Ballinacurra	7·1	+2·3	58	—	—	—	—	—	—
t Roche's Point	32	54	19th	31	22nd	47·6	36·6	41·9	- 2·2	3	0·35	9	- 7										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	19th	34	23rd	47·1	39·7	43·3	- 2·5	4	0·62	16	+ 1	Scilly ..	3·5	- 1·2	29	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	54	19th	31	22nd	45·1	38·0	41·5	- 3·7	5	0·52	13	- 2	St. Heliers ..	4·1	- 0·9	33	—	—	—	—	—	—
p Guernsey† ..	173	49	19th	23	21st	45·1	37·3	41·1	- 4·4	5	0·79	20	+ 4	Guernsey ..	1·7	- 3·3	14	0	31	44·3	- 1·4	47·7	+1·5

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 25th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities: Highest Hourly Wind. Veer from N	Speed.		Mid Time.		Highest Gust. Speed.		Time.		
	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr	o	m.p.h	m/s	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																					
**Deerness (Cup Anr.) ..	188	16	5	—	0	19 to 21, 24	42	54	61	11	0	360	34	15	20	11	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	4	102	62	0	340	13	6	20	15	40	18	20	12	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	39	108	21	0	120	20	9	25	18	—	—	—	—	—
Edinburgh	485	39	31	—	0	21	1	55	72	40	0	10	25	11	21	10	39	17	20	16	30
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	21	7	33	79	49	0	40	32	14	21	12	49	22	21	11	35
Paisley	188	81	15	—	0	—	0	30	83	55	0	360	20	9	20	17	35	16	20	15	55
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	43	60	65	0	?360	23	11	21	3	46	20	20	23	15
South Shields	72	61	12	—	0	20, 21	9	46	77	36	0	40	30	13	21	4	53	24	21	1	25
Spurn Head	67	41	‡	—	0	20, 21	34	73	56	5	0	10	33	15	20	4	46	20	21	12	25
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	20 to 23, 25	71	47	47	3	0	60	37	17	21	17	51	23	22	17	10
Shoeburyness	103	90	‡	22	3	20 to 23	48	86	31	0	0	40	40	18	22	15	51	23	22	13	32
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	22	7	71	77	13	0	20	27	12	22	15	43	19	22	16	40
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	22	4	65	87	12	0	—	26	12	22	16	45	20	22	14	5
Larkhill, S'y Plain ..	513	63	43	—	0	22 to 23	36	100	31	1	0	50	34	15	22	13	45	20	22	12	10
Richmond (Kew Obs.) ..	82	65	22	—	0	22	3	69	89	7	0	40	26	11	22	15	43	19	22	11	5
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20, 21	15	54	67	16	16	10	33	15	21	7	—	—	—	—	—
Southport	80	62	48	—	0	21	7	62	89	10	0	60	28	13	21	13	45	20	21	13	0
Holyhead	60	40	‡	—	0	20, 21, 24, 25	28	80	35	1	24	10	38	17	21	9	49	22	21	8	35
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	19 to 22, 24, 25	46	97	19	6	0	—	32	14	24	24	45	20	25	15	40
Plymouth	185	88	2	—	0	21, 22, 24	15	77	60	16	0	—	34	15	21	24	51	23	21	23	40
Lyme Regis	556	61	‡	—	0	22	3	68	55	36	6	—	26	12	22	16	?39	?17	21	14	15
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	20, 21, 24, 25	26	88	47	7	0	40	37	16	21	13	—	—	—	—	—
Quilty	100	40	‡‡	—	0	24, 25	20	63	63	22	0	—	31	14	25	7	49	22	25	8	35
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	19, 20, 24, 25	22	87	46	13	0	30	29	13	20	1	54	24	25	19	15
Weaver Pt.	160	30	‡‡‡	—	0	20 to 22, 24, 25	25	110	33	0	0	—	35	16	21	14	55	25	21	17	55
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	20 to 22, 24, 25	37	86	39	6	0	300	34	15	25	17	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡Standard mounting. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWELFTH WEEK of 1922—March 19th to March 25th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	50	27	43·2	33·5	38·2	− 1·4	3	− 10	30	+ 2	4	− 1	0·38	10	− 14	2·3	− 0·8	19	1013
Eastern.																			
1. SCOTLAND, EAST ..	50	16	42·3	31·1	36·5	− 3·3	1	− 16	39	+ 8	5	+ 1	0·55	14	0	3·4	− 0·5	28	1013
2. ENGLAND, N.E. ..	46	24	41·5	32·4	36·9	− 4·3	0	− 20	36	+11	6	+ 2	0·44	11	+ 1	3·3	− 1·1	27	1011
3. ENGLAND, EAST ..	48	23	41·6	33·1	37·2	− 4·4	0	− 26	34	+ 9	4	0	0·32	8	− 4	3·6	− 0·7	30	1009
4. MIDLAND COUNTIES	49	22	41·5	31·1	36·1	− 5·2	0	− 26	41	+14	4	0	0·28	7	− 4	3·7	− 0·2	30	1010
5. ENGLAND, S.E. ..	53	22	43·1	33·1	37·9	− 4·6	3	− 23	32	+12	4	0	0·30	8	− 4	3·8	− 0·6	31	1008
Western.																			
6. SCOTLAND, WEST ..	50	21	43·7	31·4	37·4	− 3·8	5	− 14	37	+15	4	0	0·35	9	− 11	—	—	—	1013
7. ENGLAND, N.W. ..	46	25	41·5	32·6	37·0	− 4·7	0	− 20	35	+14	4	0	0·52	13	0	4·2	+0·2	35	1012
8. ENGLAND, S.W. ..	53	24	43·1	32·4	37·6	− 5·2	3	− 22	34	+17	3	− 1	0·37	9	− 8	5·3	+0·9	43	1011
9. IRELAND, NORTH ..	51	25	45·7	34·8	40·1	− 2·0	10	− 12	24	+ 4	4	0	0·48	12	− 4	3·6	− 0·2	30	1014
10. IRELAND, SOUTH ..	54	25	46·9	35·2	40·8	− 2·7	14	− 14	22	+ 7	3	− 1	0·52	13	− 4	4·8	+0·6	39	1014
11. ENGLISH CHANNEL..	55	31	45·8	38·3	42·0	− 3·5	10	− 20	10	+ 5	5	+ 1	0·64	16	+ 1	3·1	− 1·8	26	1010
MEAN: DISTRICTS 1-10	54	16	43·1	32·7	37·8	− 4·0	4	− 19	33	+11	4	0	0·41	10	− 4	4·0	− 0·2	32	1012

THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, February 26th to March 25th, 1922.

0. SCOTLAND, NORTH ..	59	27	45·8	35·3	40·4	+ 1·6	41	+ 5	87	− 41	17	− 3	3·50	89	− 14	2·6	− 0·2	23	1008
Eastern.																			
1. SCOTLAND, EAST ..	57	16	46·0	34·0	39·8	+ 1·1	45	− 2	105	− 39	16	− 1	1·76	46	− 11	3·7	+ 0·4	32	1009
2. ENGLAND, N.E. ..	59	24	46·1	35·7	40·8	+ 0·6	49	− 16	84	− 29	18	+ 2	1·75	45	+ 2	2·9	− 0·8	25	1011
3. ENGLAND, EAST ..	60	23	47·6	37·4	42·3	+ 1·8	72	− 9	63	− 54	16	+ 1	1·55	39	− 2	3·6	0·0	31	1013
4. MIDLAND COUNTIES	59	22	46·8	35·7	41·1	+ 0·6	57	− 26	84	− 37	17	+ 2	2·72	69	+25	2·8	− 0·4	24	1012
5. ENGLAND, S.E. ..	56	20	48·1	38.4	43·1	+ 1·5	81	− 4	52	− 41	15	0	2·36	60	+11	3·4	− 0·2	30	1013
Western.																			
6. SCOTLAND, WEST ..	62	21	48·3	35·7	41·8	+ 1·4	74	+ 19	79	− 23	15	− 2	2·19	56	− 28	—	—	—	1010
7. ENGLAND, N.W. ..	58	25	46·8	37·1	41·8	+ 0·9	59	− 4	64	− 30	15	− 1	2·17	55	− 4	4·0	+ 0·7	35	1011
8. ENGLAND, S.W. ..	58	24	47·7	37·9	42·7	+ 0·6	72	− 13	55	− 22	16	0	3·63	93	+21	4·0	+ 0·4	34	1012
9. IRELAND, NORTH ..	58	25	48·2	37·2	42·6	+ 0·8	73	− 1	58	− 28	16	− 3	2·00	51	− 17	4·1	+ 1·0	36	1010
10. IRELAND, SOUTH ..	58	25	49·4	38·4	43·7	+ 0·7	91	− 8	44	− 22	14	− 2	2·27	57	− 15	4·0	+ 0·4	35	1011
11. ENGLISH CHANNEL..	57	31	50·0	42·3	46·1	+ 1·3	123	+ 13	10	− 18	19	+ 2	3·29	83	+22	3·5	− 0·9	30	1013
MEAN: DISTRICTS 1-10..	62	16	47·5	36·8	42·0	+ 1·0	67	− 6	69	− 33	16	0	2·24	57	− 2	3·6	+ 0·2	31	1011

THE YEAR. Aggregates, &c., for the Period of 12 Weeks, January 1st to March 25th, 1922.

0. SCOTLAND, NORTH ..	59	18	43·4	34·4	38·9	+0·6	57	− 32	318	− 95	57	− 4	12·14	309	− 45	1·6	−0·2	18	1005
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·3	32·7	37·5	− 0·3	55	− 48	430	− 48	55	+ 6	7·00	179	+ 8	2·2	− 0·2	24	1007
2. ENGLAND, N.E. ..	62	12	43·4	33·8	38·7	− 0·3	90	− 45	371	− 15	53	+ 7	6·14	157	+37	2·2	− 0·3	23	1010
3. ENGLAND, EAST ..	61	16	45·0	34·8	39·9	+ 0·9	134	− 23	310	−100	49	+ 3	6·78	172	+52	2·6	0·0	27	1012
4. MIDLAND COUNTIES	61	11	44·8	33·7	39·2	+ 0·2	119	− 49	354	− 69	53	+ 7	7·97	201	+63	2·2	− 0·1	22	1011
5. ENGLAND, S.E. ..	60	17	46·4	36·5	41·5	+ 1·2	175	− 10	218	−107	52	+ 7	7·71	197	+47	2·7	+ 0·1	27	1012
Western.																			
6. SCOTLAND, WEST ..	62	15	45·0	35·1	40·0	+ 0·4	113	− 18	280	− 52	59	+ 4	12·75	324	+36	—	—	—	1008
7. ENGLAND, N.W. ..	61	20	45·1	36·0	40·5	+ 0·5	122	− 21	246	− 71	53	+ 4	8·77	223	+32	2·6	+ 0·3	27	1009
8. ENGLAND, S.W. ..	58	13	47·1	37·4	42·3	+ 0·9	194	− 17	172	− 84	55	+ 5	10·92	279	+50	2·6	0·0	27	1011
9. IRELAND, NORTH ..	58	22	47·0	37·7	42·4	+ 1·4	186	+ 4	154	−125	62	+ 4	10·46	266	+45	2·8	+ 0·6	29	1007
10. IRELAND, SOUTH ..	60	23	48·7	38·8	43·8	+ 1·4	261	+ 2	112	−106	57	+ 4	10·80	273	+29	2·7	+ 0·2	28	1009
11. ENGLISH CHANNEL..	58	28	49·6	42·3	45·9	+ 1·5	367	+64	36	− 62	61	+ 6	9·39	238	+43	2·7	− 0·4	27	1012
MEAN: DISTRICTS 1-10 ..	62	8	45·5	35·7	40·6	+ 0·6	145	− 23	265	− 78	55	+ 5	8·93	227	+40	2·5	+ 0·1	26	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
31st March, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
9 JUN 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 13.

THIRTEENTH WEEK.
SUNDAY, MARCH 26TH. TO SATURDAY, APRIL 1ST. 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week barometric pressure was highest over the Icelandic region and also in the neighbourhood of the Azores. The weather over the British Isles, as a whole, was cold and unsettled. Snow fell in many parts of the country and hail was reported at a number of stations. The day temperatures towards the end of the week were decidedly low; and in many places, especially on Friday, temperatures failed to rise above 35°F. The highest of the maxima occurred on various dates, and at a few stations readings above 50°F. were recorded. Screen minima below 25°F. were registered in many parts of the country, the lowest being 15°F. at West Linton (Peebles) on March 31st and 16°F. at Balmoral on April 1st. Readings of the grass thermometer considerably below 20°F. were recorded at a large number of stations. The mean temperature for the week was below the normal at all stations, the deficiency in some instances being as much as 6°F. or 7°F. The mean daily range of temperature for the week in places exceeded 15°F. Precipitation, both in the form of rain and snow, was above the normal in several districts. Amongst the largest amounts, which were generally recorded on Friday, were 29mm. at Clifton (Gloucester), 26mm. at Cullompton (Devon), 22mm. at Cardiff and Tenby, and 19mm. at Bath. "Snow lying" was reported to a depth of from 6–8 inches at Ross-on-Wye and from 2–3 inches in several other parts of the country. The mean amount of sunshine for the week was below the normal in all districts with the exception of Ireland N. and Ireland S. There were several good records obtained during the week. Amongst the largest amounts were 10·2 hours at Douglas (Isle of Man) and 10·0 hours at Birr Castle (King's Co.) on March 28th; 11·3 hours at Mallarany (Mayo) and 10·8 hours at Cahirciveen (Valencia Observatory) on the 29th; and 11·3 hours at Skegness, 10·7 hours at Felixstowe, and 10·3 hours at Scarborough, Little Massingham (Norfolk) and Cranwell (Lincoln) on the 31st. Aurora was witnessed at Seskin (Carrick-on-Suir) on March 28th and at Durham on the 31st. Solar halos were observed at Dublin, Stonyhurst and Tenbury on March 29th, at Aberdeen on the 31st, at Ross-on-Wye on April 1st and at Oxford on March 29th, 31st and April 1st. The Zodiacal Light was seen at Oxford and Stonyhurst on March 28th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	4	12	5·5	2	2	0·8	0	—	—	1	5	2·3	2	6	2·7	1	4	1·7	4	3	1·2	8	6	**2·5**
North ...	23	12	5·2	19	9	4·0	24	7	3·3	**23**	6	2·9	21	13	5·8	15	17	7·7	21	9	3·9	16	15	6·7
West ...	4	4	1·8	12	8	3·4	12	5	2·3	11	4	1·5	8	9	4·2	10	7	3 1	12	13	5·6	4	5	2·4
East ...	19	9	3·8	8	7	3·0	11	13	5·9	11	10	4·4	16	13	5·7	5	6	2·8	14	13	5·9	20	7	3·2
Calm (or wind-speed < 4 m.p.h.)	1	—	—	3	—	—	1	—	—	2	—	—	3	—	—	10	—	—	2	—	—	3	—	—
No record .	0	—	—	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ..	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Heavy	Light	Light	Heavy
	Sunshine .	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	—	Moderate	Moderate	Abundant	Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 5 weeks from Feb. 26th, 1922.	Warmth ..	**3**, 1, **1**	**2**, 1, **2**	**2**, 1, **2**	**2**, 1, **2**	**1**, 2, **2**	**1**, 2, **2**	**2**, 1, **2**	**2**, 1, **2**	**1**, 2, **2**	**1**, 2, **2**	**1**, 2, **2**	**1**, 2, **2**
	Rainfall ..	**1**, 1, **3**	**1**, 3, **1**	**2**, 2, **1**	**2**, 2, **1**	2, 2, **1**	**2**, 2, **1**	**1**, 1, **3**	**1**, 3, **1**	**3**, 1, **1**	**0**, 3, **2**	**1**, 2, **2**	**3**, 1, **1**
	Sunshine ..	**1**, 3, **1**	**1**, 3, **1**	**1**, 1, **3**	**1**, 1, **3**	**1**, 2, **2**	**0**, 3, **2**	—	**1**, 4, **0**	**2**, 3, **0**	**3**, 2, **0**	**3**, 2, **0**	**0**, 2, **3**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average.
	Ft.	°F		°F		°F	°F	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.	F.
0. SCOTLAND, N.																							
t Lerwick	54	41	26,27,1	32	30, 31	39·7	33·3	36·4	- 2·9	6	0·50	13	- 2										
p Deerness, Orkney	165	43	26,28,29	34	26, 31	42·1	35·3	38·6	- 1·4	6	0·46	12	- 2	Deerness	3·3	- 0·9	26	—	—	—	—	—	—
a Islands — *t* Stornoway	51	47	30th	30	1st	44·1	34·3	39·1	- 1·7	5	0·44	11	- 9	Stornoway	4·2	- 0·2	33	—	—	—	—	—	—
t Castlebay, Barra I.	37	46	30th	33	26th	43·0	36·4	39·6	—	4	0·28	7	—	Castlebay	5·9	—	46	—	—	—	—	—	—
b, Mainland. *t* Wick	81	44	26th	30	1st	41·4	33·4	37·3	- 3·0	6	0·43	11	- 1										
a Strathpeffer	125	46	26th	26	1st	43·3	31·1	37·0	- 3·8	4	0·32	8	- 5										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	47	26, 27	21	1st	43·3	29·3	36·1	- 4·8	6	0·78	20	+ 3										
p Fort William	171	47	26, 30	22	1st	44·5	30·7	37·4	- 4·5	3	0·14	4	- 27										
1. SCOTLAND, E.																							
t Nairn	82	46	26th	25	1st	42·4	32·1	37·1	- 3·5	6	0·61	15	+ 5	Nairn	1·6	—	13	—	—	—	—	—	—
p Gordon Castle	101	44	26th	26	31st	42·0	31·3	36·5	- 4·6	7	0·82	21	+ 9	Gordon Castle	2·1	—	16	—	—	—	—	—	—
t Aberdeen	46	45	28th	26	1st	41·9	32·3	37·0	- 3·9	4	0·96	24	+11	Aberdeen	2·0	- 2·3	15	2	21	—	—	41·4	+0·9
a Balmoral	930	40	26th	16	1st	38·3	28·1	33·1	- 4·1	7	0·55	14	- 2	Balmoral	—	—	—	7	14	—	—	—	—
p Crieff	432	45	26, 30	23	1st	42·3	30·0	36·0	- 5·3	3	0·10	3	- 13	Crathes	1·5	- 2·6	12	5	21	38·1	—	40·3	—
a Dundee	244	47	27th	24	1st	43·3	30·3	36·6	- 4·3	5	0·41	10	- 1	Dundee	1·5	—	11	4	19	39·4	—	—	—
t Inchkeith (F. of Forth)	190	45	26, 28	30	1st	42·1	33·7	37·8	—	4	0·19	5	—	Inchkeith (F. of Forth)	2·4	—	19	3	26	—	—	—	—
p Edinburgh	441	44	27th	27	31st	40·4	30·9	35·5	- 5·3	5	0·29	7	- 2	Edinburgh	2·1	- 1·9	16	4	18	—	—	—	—
a West Linton	769	43	26, 27	15	31st	40·1	25·7	32·7	- 5·4	6	0·38	10	—	West Linton	—	—	—	6	17	—	—	—	—
a Marchmont	498	44	27th	25	1st	40·3	29·9	35·0	- 5·1	6	0·61	15	+ 1	Marchmont	2·9	- 1·0	23	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	48	26, 28, 30	21	1st	45·5	30·9	38·0	—	0	0·00	0	—	Ford (Argyll)	—	—	—	6	19	40·3	—	42·6	—
t Renfrew	49	48	26th	23	1st	45·6	30·1	37·6	—	2	0.17	4	—	Renfrew	3·6	—	28	6	16	—	—	—	—
p Rothesay	200	49	26th	28	1st	45·3	32·7	38·8	- 3·5	1	0·07	2	- 19	Rothesay	4·5	—	35	6	21	40·3	—	43·0	+0·5
a Kilmarnock	90	50	27th	25	1st	46·3	29·0	37·4	- 3·8	2	0·12	3	- 13	Kilmarnock	3·8	—	30	—	—	39·8	—	43·0	—
a Colmonell	170	50	26th	27	1st	46·9	30·9	38·7	- 3·0	1	0.10	3	- 16	Colmonell	—	—	—	6	22	—	—	—	—
p Dumfries	160	46	26, 27	27	1st	43·7	30·6	37·0	- 5·0	1	0·12	3	- 13	Dumfries	3·5	—	27	7	20	39·8	- 1·2	42·0	+0·3
t Eskdalemuir	794	46	27th	21	1st	41·6	27·6	34·4	—	3	0·14	4	—	Eskdalemuir	4·1	—	32	7	16	—	—	—	—
b, I. OF MAN *h* Douglas	284	46	26, 27, 28	32	29, 31	43·9	34·0	38·8	- 3·6	3	0·80	20	+ 3	Douglas	5·7	+0·5	45	4	27	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	43	26,28,1	27	31st	41·1	32·3	36·6	- 4·6	6	0·74	19	+ 7	Cockle Park	2·8	- 1·6	22	7	21	37·1	- 2·6	40·6	- 0·1
t Tynemouth	118	43	28, 31	32	31st	40·7	34·0	37·3	- 4·2	6	0·43	11	+ 2										
p Durham	336	44	26th	25	31st	41·4	30·9	36·0	- 5·1	6	0·47	12	+ 2	Durham	2·2	- 1·9	17	4	10	—	—	—	—
a North — *p* Rounton	249	44	1st	23	31st	40·3	30·0	35·0	- 6·0	7	0·71	18	+ 8	Rounton	—	—	—	7	14	38·6	—	—	—
a West Witton	605	42	29th	24	1st	40·0	30·6	35·2	—	4	0·47	12	—	West Witton	—	—	—	7	21	36·9	—	39·8	—
h Scarborough	118	44	27th	33	31, 1	41·4	34·9	38·1	- 4·3	6	0·82	21	+11	Scarborough †	3·4	- 1·0	27	—	—	—	—	41·9	—
p York	56	44	28th	28	1st	41·4	32·4	36·8	- 6·0	4	0·22	6	- 4	York	2·3	- 1·5	18	—	—	40·1	- 1·7	42·3	+0·2
t Spurn Head	26	45	28th	32	30,31,1	42·3	33·0	37·5	- 4·7	5	0·24	6	- 1	Spurn Head	4·2	—	33	—	—	—	—	—	—
b, South — *a* Lincoln	58	46	28th	29	31, 1	42·7	32·0	37·2	- 5·8	3	0·13	3	- 6	Lincoln	—	—	—	4	25	38·5	- 2·9	42·5	+0·5
t Cranwell	237	45	28th	26	1st	42·0	30·1	35·9	- 7·0	4	0·16	4	- 5	Cranwell	3·0	- 1·5	24	7	20	—	—	—	—
														Skegness	3·8	- 1·1	30	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	48	26th	32	30, 1	43·7	32·9	38·1	- 4·6	6	0·54	14	+ 7	Cromer	3·7	- 1·2	29	—	—	—	—	—	—
a Little Massingham	277	42	27th	26	31, 1	40·7	30·4	35·4	- 6·8	5	0·69	17	+ 8	Lit Massingham	3·6	- 0·9	28	—	—	—	—	—	—
t Yarmouth	13	44	26th	31	30, 31	42·0	32·9	37·3	- 5·0	4	0·36	9	+ 1	Yarmouth	—	—	—	4	28	41·1	- 2·5	44·0	- 0·6
a Norwich	93	44	26th	26	31st	42·0	30·7	36·2	- 7·0	5	0·77	20	+11	Norwich	3·5	—	28	6	18	38·2	—	—	—
a Geldeston	37	45	26, 28	25	31st	43·0	29·3	36·0	- 7·0	4	0·36	9	+ 1	Geldeston	4·1	- 0·7	32	—	—	—	—	—	—
p Cambridge	41	46	28th	24	26th	43·1	29·7	36·2	- 7·3	4	0·26	7	0	Cambridge	3·4	- 1·3	27	5	24	41·2	- 2·2	44·4	+0·4
t Clacton-on-Sea	54	47	26th	31	263031	43·0	32·6	37·7	- 5·0	5	0·17	4	- 3	Clacton-on-Sea	4·8	- 0·3	38	5	25	40·9	- 2·8	44·4	- 0·5
a Rothamsted	420	44	28th	28	26th	41·0	30·9	35·8	- 6·9	4	0·33	9	0	Rothamsted	2·3	- 2·2	18	7	17	38·3	—	—	—
p Tottenham	51	46	28th	29	26th	43·9	33·0	38·3	—	2	0·17	4	—	Tottenham	2·3	—	18	—	—	—	—	44·1	- 0·1
														Southend	4·1	—	32	2	27	40·8	—	—	—
4. MIDLAND COUNTIES.																							
North — *h* Harrogate	479	42	27th	26	31, 1	40·4	30·0	35·1	- 6·2	4	0·31	8	- 3	Harrogate	2·1	- 2·4	17	6	22	38·8	- 1·6	41·0	- 0·1
p Sheffield	429	44	28th	27	1st	41·0	31·9	36·3	—	5	0·25	6	—	Sheffield	1·2	- 2·8	9	4	23	37·5	- 3·2	40·3	- 0·9
p Buxton	987	39	27, 28, 29	26	1st	37·9	29·0	33·3	- 6·5	6	0·25	6	- 13	Buxton	1·8	—	14	6	21	35·9	- 3·8	40·4	- 0·3
a Worksop	56	46	29th	24	1st	43·7	30·4	36·9	- 6·1	5	0·20	5	- 4	Worksop	1·4	- 2·5	11	7	16	39·7	—	42·3	—
t Nottingham	82	46	28th	27	1st	43·3	32·4	37·7	- 5·2	4	0·33	8	- 1	Nottingham	2·0	- 2·2	15	6	24	37·4	- 3·7	39·6	- 1·3
b, East — *p* Birmingham, Edgbsn.	525	44	27, 28	29	1st	41·6	31·6	36.5	- 6·2	4	0·28	7	- 3	Birmingham	1·5	- 1·8	12	7	19	37·8	- 3·4	43·6	+0·4
a Raunds	213	44	28th	26	26th	42·1	30·4	36·1	- 6·9	4	0·32	8	0	Raunds	2·9	—	23	6	21	39·6	—	—	—
p Oxford	208	46	27, 28	24	26th	43·7	30·9	37·1	- 6·6	5	0·24	6	- 3	Oxford	1·6	- 2·8	12	6	22	—	—	—	—
														Malvern	3·5	—	27	4	25	39·3	—	42·4	—
a Cheadle (N. Staffs.)	646	45	28th	26	1st	41·3	29·4	35·2	- 6·5	3	0·26	7	- 5	Cheadle	—	—	—	7	20	—	—	—	—
p Tenbury	313	46	27, 28	24	26th	43·7	30·6	37·0	- 6·1	4	0·41	10	+ 2	Tenbury	—	—	—	6	20	39·6	—	—	—
a Hereford	291	49	27th	27	26th	43·3	31·1	37·0	- 6·6	4	0·63	16	+ 6	Ross on Wye	2·2	—	18	5	20	39·1	—	43·2	—
a Clifton	225	49	27th	29	1st	43·7	33·3	38·4	- 6·0	4	1·34	34	+21	Clifton	3·4	—	27	2	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	—	—	25	26th	—	30·0	—	—	5	0·78	20	+ 9	Worthing	4·0	- 1·4	32	5	23	42·1	- 2·2	45·4	+0·4
a Porton	340	49	27th	24	26, 29	44·0	28·3	35·9	—	4	0·55	14	—	Marlborough	1·5	- 2·6	12	6	23	41·5	—	44·9	—
a Wisley, Surrey	150	46	26th	25	26th	43·0	31·6	37·1	- 6·4	5	0·30	8	0	Porton	—	—	—	6	19	40·4	—	—	—
h Tunbridge Wells	354	48	26th	26	26th	43·7	30·9	37·1	- 6·2	5	0·35	9	- 1	Wisley, Surrey	1·9	- 2·6	15	6	14	40·2	- 2·7	43·5	- 0·2
h Margate	51	45	26th	32	26th	42·3	34·7	38·4	- 5·6	2	0·26	7	0	Tunbridge Wells	2·4	- 2·5	19	5	17	41·2	—	44·1	—
														Margate	4·2	- 0·7	33	1	29	41·4	- 2·3	44·6	+0·3
t Dungeness	21	46	26, 28	29	30th	44·3	32·3	38·1	- 5·1	5	0·35	9	+ 2	Folkestone	4·3	—	34	1	30	—	—	46.8	—
h St. Leonards	178	47	26th	33	262831	43·7	33·4	38·4	- 5·5	5	0·31	8	- 1	St. Leonards	4·5	- 0·8	36	4	25	41·4	—	44·8	—
p Southampton	64	50	27th	27	26th	45·7	32·1	38·7	- 6·5	4	0·45	11	+ 1	Southampton	2·4	- 2·6	19	5	17	—	—	—	—
a Ventnor	59	51	27th	32	26th	46·0	34·3	40·0	- 5·3	5	0·69	18	+ 9	Ventnor	3·1	- 2·3	25	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	45	27, 28	28	26th	42·9	33·4	38·0	- 6·0	4	0·24	6	- 1	Richmond	1·8	- 2·5	14	4	21	40·3	- 2·6	44·6	+0·4
a Westminster	27	50	26th	—	—	44·9	33·6	39·1	- 5·7	5	0·31	8	+ 1	Westminster	1·4	- 1·9	11	5	23	—	—	—	—
a Greenwich	149	48	26th	26	26th	43·9	32·9	38·2	- 5·9	4	0·33	8	0	Greenwich	1·4	- 2·8	11	4	19	—	—	—	—
a Hampstead	450	45	26th	30	26, 31	41·9	31·1	36·3	—	5	0·35	9	—	Hampstead	2·2	—	18	7	19	—	—	—	—
ag Camden Square	110	47	26, 27, 28	28	26th	44·4	33·3	38·7	- 6·1	5	0·24	6	- 2	Camden Square	—	—	—	5	23	39·9	—	43·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	45	27th	25	1st	41·7	29·1	35·2	- 6·4	3	0·16	4	- 13	Aspatria	3·2	- 1·3	25	6	19	39·3	- 2·3	42·1	- 0·5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	44	26th	26	1st	42·1	31·6	36·7	- 4·9	2	0·21	5	- 16	Stonyhurst	2·7	- 1·6	21	5	22	—	—	—	—
h Blackpool	66	47	26th	26	1st	43·6	32·4	37·8	- 4·6	2	0·27	7	- 7	Blackpool	3·9	- 1·1	31	5	22	40·7	—	43·7	—
h Southport	37	46	26, 28	27	1st	43·4	32·4	37·7	- 5·0	2	0·32	8	- 5	Southport	3·9	- 1·0	30	6	22	39·1	- 3·1	41·8	- 0·8
														Hoylake	3·9	- 0·8	30	—	—	—	—	—	—
t Liverpool (Bidston)	188	44	26, 27, 28	27	1st	42·4	32·7	37·4	- 5·8	3	0·27	7	- 5	Liverpool	3·2	—	25	4	20	—	—	—	—
a Hawarden Bridge	22	48	27th	29	1st	44·0	33·6	38·7	- 5·2	4	0.25	6	- 3	Manchester City	2·2	- 1·2	17	2	26	37·8	- 3·1	42·5	- 0·4
p Manchester (Whit. Pk.)	125	44	28th	29	1st	42·3	31·7	36·8	- 6·8	1	0·05	1	- 13	„ Whit. Pk.	1·6	- 1·6	12	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	45	26, 29	28	29th	43·1	33·9	38·4	- 5·6	3	0·64	16	+ 3	Llandudno	3·1	- 1·8	24	—	—	—	—	—	—
t Holyhead	15	46	30th	33	1st	43·1	36·4	39·7	- 3·9	4	0·63	16	+ 1	Holyhead	5·1	—	40	1	30	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	46	26, 28	31	29th	44·1	34·0	38·9	—	4	0·21	5	—	Aberystwyth	5·0	+0·3	39	—	—	—	—	—	—
a Rhayader	757	44	30th	20	26th	40·4	29·0	34·5	—	5	0·45	11	—	Rhayader ..	3·3	—	26	6	9	—	—	—	—
i Pembroke	149	47	26–30	30	1st	45·3	35·0	40·0	- 4·0	6	0·83	21	+ 9	Pembroke ..	5·4	+0·3	43	—	—	—	—	—	—
p Cardiff	202	49	30th	28	1st	44·7	32·4	38·4	- 5·1	4	1·12	28	+12	Cardiff ..	3·5	—	28	7	18	40·1	- 3·0	44·0	+0·1
b, ENGLAND, S.W.																							
h Bath	66	49	27th	25	26th	44·4	30·9	37·5	- 6·4	5	1·24	31	+19	Bath	2·6	- 2·2	20	—	—	41·7	—	44·8	—
a Shaftesbury	722	49	27th	27	1st	42·6	30·1	36·2	- 6·3	5	0·38	10	- 2	Shaftesbury ..	—	—	—	—	—	40·3	—	43·7	—
a Arlington	613	47	30th	29	1st	42·7	33·1	37·8	- 4·9	4	0·94	24	+ 5										
h Newquay	190	50	30th	32	29th	44·9	36·4	40·5	- 4·8	5	0·51	13	+ 1	Newquay ..	4·8	- 0·3	38	—	—	44·5	—	47·1	—
a Cullompton	202	51	30th	30	26, 29	46·0	33·0	39·3	- 4·9	5	1·18	30	+16	Cullompton ..	2·9	- 1·7	23	7	18	42·8	—	—	—
i Portland Bill	19	47	26th	34	26th	44·7	35·3	39·9	- 4·6	5	0·69	18	+ 8	Weymouth ..	4·0	—	32	—	—	—	—	—	—
p Plymouth	116	50	29th	32	26th	47·9	35·3	41·4	- 4·0	5	0·49	12	- 2	Plymouth ..	5·0	- 0·2	39	4	26	42·7	- 2·7	46·4	—
h Falmouth	167	53	30th	34	28, 29	47·6	36·6	41·9	- 3·5	5	0·80	20	+ 3	Falmouth ..	4·7	- 0·7	37	3	29	44·8	—	47·8	—
9. IRELAND, N.																							
i Malin Head	71	46	26, 30	32	29th	43·1	35·9	39·4	- 3·3	3	0·08	2	- 13	Malin Head ..	7·0	—	55	—	—	—	—	—	—
a, West .. i Blacksod Point ..	10	49	28, 29, 30	34	1st	46·9	37·1	41·9	- 2·2	3	0·22	6	- 18										
a Mallarany	120	52	29th	31	1st	48·6	34·0	41·1	—	3	0·54	14	—	Mallarany ..	8·2	—	65	6	23	—	—	—	—
p Markree Castle.. ..	122	52	30th	25	29th	48·6	29·9	39·0	- 3·9	3	0·42	11	- 9	Markree Castle	7·0	+2·8	54	7	21	42·9	- 1·2	45·1	+0·9
p Armagh..	204	49	26, 30	28	1st	46·0	30·7	38·1	- 4·5	2	0·19	5	- 10	Armagh ..	5·5	+1·4	43	7	19	41·9	- 1·0	44·1	+0·5
b, East .. i Donaghadee	35	47	26th	33	26, 29, 1	44·9	35·3	40·0	- 3·0	2	0·27	7	- 8											
														Trinity Coll.	—	—	—	5	27	42·3	- 1·9	45·0	+0·1
														Phœnix Park	5·2	+0·4	41	4	22	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	49	30th	33	26, 29	45·6	34·6	39·9	- 5·0	4	0·33	8	- 5	Dublin City ..	—	—	—	4	28	—	—	—	—
i Birr Castle	175	52	30th	25	29th	46·1	32·0	38·8	- 4·4	4	0·19	5	- 10	Birr Castle ..	5·8	+1·4	46	6	19	—	—	—	—
a Kilkenny	195	52	30th	26	29th	47·3	32·3	39·6	- 4·1	3	0·13	3	- 12										
a Waterford	137	50	26, 29, 30	31	29th	48·1	34·4	41·1	- 3·7	6	0·23	6	- 11										
p Seskin, Carrick-on-Suir	542	54	30th	28	1st	47·0	31·1	38·8	—	4	0·22	6	—	Seskin ..	5·2	—	41	4	22	—	—	—	—
a Foynes	50	53	30th	29	29th	48·4	35·0	41·5	- 3·4	2	0·07	2	- 16										
i Cahirciveen (Val. Obs.)	30	52	29th	31	1st	48·9	38·3	43·4	- 2·4	2	0·11	3	- 24	Cahirciveen ..	7·0	+2·3	55	2	30	—	—	—	—
i Killarney	174	56	30th	30	1st	50·5	34·6	42·3	- 2·8	3	0·41	10	- 17	Ballinacurra	6·7	+1·5	52	—	—	—	—	—	—
i Roche's Point	32	50	30th	32	1st	47·9	37·0	42·3	- 2·9	3	0·22	6	- 13										
11. ENGLISH CHANNEL.																							
i Scilly, St. Mary's ..	131	53	29th	36	26th	49·0	39·4	44·1	- 2·9	4	0·26	7	- 5	Scilly ..	4·3	- 1·2	34	—	—	—	—	—	—
i Jersey, St. Aubins ..	25	50	27th	36	28, 29	47·0	38·7	42·7	- 4·0	6	1·54	39	+27	St. Heliers ..	4·4	- 1·4	35	—	—	—	—	—	—
p Guernsey† ..	173	50	27th	36	26, 28	47·1	39·0	42·9	- 4·1	6	0·97	25	+12	Guernsey ..	4·2	- 1·7	33	1	30	44·1	- 2·3	47·0	+0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, April 1st, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed		Mid Time.		Highest Gust. Speed	Time.		
													m.p.h	m/s	d.	hr.	m.p.h	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°								
**Deerness (Cup Anr.) ..	188	16	5	—	0	27, 28, 30	8	94	61	5	0	50	32	14	28	1	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	0	85	83	0	360	11	5	28	11	25	11	28	10	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	15	126	27	0	40	18	8	28	9 10	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	30	112	12	14	40	20	9	28	12	36	16	28	10	0
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	—	0	47	96	25	0	30	21	10	28	15	34	15	28	14	25
Paisley	188	81	15	—	0	—	0	16	123	29	0	320	17	8	27	16	33	15	26	17	5
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	—	0	32	100	36	0	360	17	8	28	9	32	14	29	11	35
South Shields	72	61	12	—	0	—	0	65	96	4	3	40	23	10	28	7	33	15	28	0	10
Spurn Head	67	41	‡	—	0	—	0	92	55	0	21	320	22	10	29	18	36	16	28	21	25
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	—	0	70	87	11	0	80	23	10	1	7	37	17	29	15	25
Shoeburyness	103	90	‡	—	0	28, 1	12	51	20	14	71	80	29	13	1	9	37	17	1	9	30
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	28	85	55	0	90	22	10	31	21	34	15	31	21	25
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	39	126	3	0	—	22	10	1	3	39	17	1	2	40
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	76	79	0	13	70	24	11	1	10	37	17	27	13	20
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	34	99	35	0	50	20	9	1	10	35	16	1	9	45
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	80	76	3	9	320	23	11	26	24	—	—	—	—	—
Southport	80	62	48	—	0	—	0	87	75	6	0	10	23	10	26	14	37	16	26	13	25
Holyhead	60	40	‡	—	0	26 to 28, 31, 1	38	68	40	8	14	80	32	14	31	12	43	19	27	11	0
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	1	1	26, 27, 31, 1	9	64	55	24	15	—	39	17	1	11	51	23	27	21	45
Plymouth	185	88	2	—	0	1	4	49	74	41	0	—	29	13	1	10	49	22	1	10	45
Lyme Regis	556	61	‡	—	0	—	0	11	59	84	14	—	17	8	28	11	28	13	28	9	40
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	31	1	27, 31, 1	25	75	55	12	0	80	39	17	31	12	—	—	—	—	—
Quilty	100	40	‡	—	0	—	0	87	71	10	0	—	24	11	31	18	38	17	27	13	15
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	26, 27, 31	13	79	67	9	0	350	29	13	26	17	40	18	27	16	50
Weaver Pt.	160	30	‡	—	0	26, 27, 28, 1	14	75	71	8	0	—	31	14	27	15	54	24	27	12	35
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	—	0	26 to 28, 31, 1	24	58	38	48	0	360	31	14	1	7	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡ Standard mounting.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTEENTH WEEK of 1922—March 26th to April 1st, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.	hr.	hr.	%	mb.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.									
0. SCOTLAND, NORTH ..	47	21	42·7	32·0	37·2	− 3·3	2	− 16	36	+10	5	0	0·43	11	− 10	3 8	− 0·2	30	1011
Eastern.																			
1. SCOTLAND, EAST ..	46	15	41·2	30·4	35·7	− 4·8	0	− 22	44	+15	5	+ 1	0·53	·13	0	1·9	− 2·1	15	1010
2. ENGLAND, N.E. ..	46	23	41·5	32·2	36·7	− 5·3	0	− 24	37	+15	5	+ 1	0·44	11	+ 1	2·9	− 1·5	23	1007
3. ENGLAND, EAST ..	48	24	42·5	31·4	36·8	− 6·1	1	− 29	38	+15	4	+ 1	0·41	10	+ 2	3·5	− 1·2	27	1005
4. MIDLAND COUNTIES	49	24	42·6	31·0	36·7	− 6·1	2	− 30	39	+14	4	+ 1	0·43	11	+ 1	1·9	− 2·3	15	1006
5. ENGLAND, S.E. ..	51	24	43·9	32·1	37·8	− 6·2	5	− 27	35	+18	4	+ 1	0·43	11	+ 2	3·0	− 1·8	24	1005
Western.																			
6. SCOTLAND, WEST ..	50	21	45·3	31·2	38·0	− 3·9	9	− 14	37	+16	1	− 3	0·20	5	− 15	—	—	—	1009
7. ENGLAND, N.W. ..	48	25	42·8	32·7	37·6	− 5·1	2	− 22	33	+14	3	− 1	0·31	8	− 7	3·4	− 1·1	26	1008
8. ENGLAND, S.W. ..	53	20	44·6	33·1	38·7	− 5·4	7	− 24	30	+15	5	+ 1	0·82	21	+ 6	4·2	− 0·6	33	1007
9. IRELAND, NORTH ..	52	25	45·9	33·5	39·5	− 3·6	11	− 15	28	+10	3	− 2	0·23	6	− 12	6·2	+2·1	49	1010
10. IRELAND, SOUTH ..	56	25	47·9	34·8	41·1	− 3·6	17	− 17	23	+ 9	3	− 1	0·21	5	− 14	6·2	+1·5	49	1010
11. ENGLISH CHANNEL.	53	36	47·7	39·0	43·2	− 3·7	17	− 20	8	+ 4	5	+ 1	0·92	24	+12	4·3	− 1·5	34	1006
MEAN: DISTRICTS 1-10	56	15	43·8	32·2	37·9	− 5·0	5	− 22	34	+14	4	0	0·40	10	− 4	3·7	− 0·8	29	1008

THE SEASON (Spring).— Aggregates, &c., for the Period of 5 Weeks, February 26th to April 1st, 1922

0. SCOTLAND, NORTH ..	59	21	45·2	34·7	39·7	+ 0·6	43	− 11	123	− 31	22	− 3	3·93	100	− 24	2·8	− 0·2	24	1008
Eastern.																			
1. SCOTLAND, EAST ..	57	15	45·0	33·3	39·0	− 0·1	45	− 24	149	− 24	21	0	2·29	59	− 11	3·3	− 0·2	28	1009
2. ENGLAND, N.E. ..	59	23	45·2	35·0	39·9	− 0·7	49	− 40	121	− 14	23	+ 3	2·19	56	+ 3	2·9	− 0·9	25	1010
3. ENGLAND, EAST ..	60	23	46·6	36·2	41·2	+ 0·2	73	− 38	101	− 39	20	+ 2	1·96	49	0	3·6	− 0·2	31	1011
4. MIDLAND COUNTIES	59	22	46·0	34·7	40·2	− 0·7	59	− 56	123	− 23	21	+ 3	3·15	80	+26	2·6	− 0·8	22	1011
5. ENGLAND, S.E. ..	56	20	47·3	37·1	42·0	0·0	86	− 31	87	− 23	19	+ 1	2·79	71	+13	3·3	− 0·6	28	1011
Western.																			
6. SCOTLAND, WEST ..	62	21	47·7	34·8	41·1	+ 0·4	83	+ 5	116	− 7	16	− 5	2·39	61	− 43	—	—	—	1010
7. ENGLAND, N.W. ..	58	23	46·0	36·2	41·0	− 0·2	61	− 26	97	− 16	18	− 2	2·48	63	− 11	3·9	+ 0·4	33	1011
8. ENGLAND, S.W. ..	58	20	47·1	36·9	41·9	− 0·6	79	− 37	85	− 7	21	+ 1	4·45	114	+27	4·0	+ 0·1	34	1011
9. IRELAND, NORTH ..	58	25	47·7	36·5	41·9	− 0·1	84	− 16	86	− 18	19	− 5	2·23	57	− 29	4·5	+ 1·2	39	1010
10. IRELAND, SOUTH ..	58	25	49·1	37·6	43·2	− 0·2	108	− 25	67	− 13	17	− 3	2·48	62	− 29	4·4	+ 0·6	38	1011
11. ENGLISH CHANNEL..	57	31	49.5	41·7	45·5	+ 0·3	140	− 7	18	− 14	24	+ 3	4·21	107	+34	3·6	− 1·0	31	1011
MEAN: DISTRICTS 1-10..	62	15	46·8	35·8	41·1	− 0·2	73	− 29	103	− 18	20	− 1	2·64	67	− 6	3·6	0·0	31	1011

THE YEAR. Aggregates, &c., for the Period of 13 Weeks, January 1st to April 1st, 1922

0. SCOTLAND, NORTH ..	59	18	43·3	34·3	38·8	+0·3	59	− 48	354	− 85	62	− 4	12·57	320	− 55	1·8	− 0·1	19	1005
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·2	32·5	37·4	− 0·6	55	− 70	474	− 33	60	+ 7	7·53	192	+ 8	2·2	− 0·3	23	1007
2. ENGLAND, N.E. ..	62	12	43·3	33·7	38·5	− 0·8	90	− 69	408	0	58	+ 8	6·58	168	+38	2·2	− 0·4	23	1010
3. ENGLAND, EAST ..	61	16	44·8	34·5	39·7	+ 0·4	135	− 52	348	− 85	53	+ 4	7·19	182	+54	2·7	− 0·1	27	1011
4. MIDLAND COUNTIES	61	11	44·6	33·5	39·0	− 0·3	121	− 79	393	− 55	57	+ 8	8·40	212	+64	2·1	− 0·3	22	1010
5. ENGLAND, S.E. ..	60	17	46·2	36·2	41·2	+ 0·6	186	− 37	253	− 89	56	+ 8	8·12	207	+48	2·7	− 0·1	27	1011
Western.																			
6. SCOTLAND, WEST ..	62	15	45·0	34·8	39·9	+ 0·1	122	− 32	317	− 36	60	+ 1	12·95	329	+21	—	—	—	1008
7. ENGLAND, N.W. ..	61	20	44·9	35·7	40·3	+ 0·1	124	− 43	279	− 57	56	+ 3	9·08	231	+25	2·7	+ 0·3	27	1009
8. ENGLAND, S.W. ..	58	13	46·9	37·1	42·0	+ 0·4	201	− 41	202	− 69	60	+ 6	11·74	300	+56	2·8	+ 0·1	28	1011
9. IRELAND, NORTH ..	58	22	46·9	37·4	42·2	+ 1·0	197	− 11	182	−115	65	+ 2	10·69	272	+33	3·0	+ 0·7	31	1007
10. IRELAND, SOUTH ..	60	23	48·6	38·5	43·6	+ 1·0	278	− 15	135	− 97	60	+ 3	11·01	278	+15	3·0	+ 0·3	30	1009
11. ENGLISH CHANNEL..	58	28	49·4	42·0	45·7	+ 1·1	384	+44	44	− 58	66	+ 7	10·31	262	+55	2·9	− 0·4	28	1011
MEAN: DISTRICTS 1-10 ..	62	8	45·3	35·4	40·4	+ 0·2	150	− 45	299	− 64	59	+ 5	9·33	237	+36	2·6	0·0	26	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
7th April, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
20 APR 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. *Vol. XXXIX. (New Series)* | No. 14.

FOURTEENTH WEEK.
SUNDAY, APRIL 2ND, TO SATURDAY, APRIL 8TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week in most parts of the British Isles continued to be of a very wintry character. Snow fell in many parts of the country and hail was reported in several places. There were one or two very bright days, when maximum temperatures of 50°F. and above were recorded at a number of stations, but the night temperatures were exceedingly low for the time of year, screen minima below 25°F. being registered in most districts. In many parts of the Kingdom the grass thermometer recorded readings below 15°F., the actual lowest being 12°F. at Eskdalemuir, Rothamsted and Tunbridge Wells. The mean temperature for the week was below the normal at all stations, and the mean daily range was in many instances as much as 20°F. The total amount of precipitation for the week was below the normal in most districts, although several rather heavy falls were recorded in some parts of England during the early part of the period. Amongst the largest amounts were 20mm. at Guernsey, 19mm. at Torquay and 18mm. at Ventnor and also at Jersey on the 2nd, 28mm. at Eastbourne, 24mm. at Portsmouth, 22mm. at Dungeness, 21mm. at Worthing and 18mm. at Tunbridge Wells on the 3rd. The mean amount of bright sunshine for the week varied a good deal as between different parts of the country. Good records were obtained on some days. Douglas had 12·0 hours on the 2nd, Blackpool had 12·0 hours and Southport 12·1 hours on the 4th, Worthing had 12·7 hours, Eastbourne 12·4 hours, St. Leonard's 12·1 hours, Brighton and Ventnor 12·0 hours on the 5th, and Aspatria (Cumberland) recorded 12·0 hours on the 6th. The mean departure from the normal for the week ranged from +2·8 hours at Markree Castle (Sligo) to —2·6 hours at Manchester. Solar halos were observed at Hodsock Priory (Worksop) on the 3rd and 7th, Ross-on-Wye on the 5th and 8th, Birmingham on the 7th, Newquay on the 8th and at Oxford on the 2nd, 5th, 6th, 7th and 8th. Lunar halos were seen at Birmingham and Dublin on the 6th and at Oxford on the 6th and 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	4	8	3·5	4	3	1·4	14	9	4 0	5	5	2·2	5	4	1·7	8	8	3·7	6	5	2·3	6	4	1·6
North	22	9	4·0	11	4	1·8	9	8	3·6	13	6	2·9	17	7	3·3	10	13	5·7	15	6	2·9	16	8	3·4
West	8	3	1·4	6	7	3·1	11	6	2·6	8	5	2·1	9	5	2·2	11	11	5 0	14	10	4·5	7	6	2·6
East	14	5	2·1	9	7	3·2	16	12	5·2	11	10	4·5	15	10	4·6	10	20	8·8	10	13	6·0	17	10	4·3
Calm (or wind-speed < 4 m.p.h.)	2	—	—	8	—	—	1	—	—	7	—	—	4	—	—	5	—	—	2	—	—	4	—	—
No record ..	0	—	—	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient
	Rainfall ..	Very Light	Moderate	Light	Heavy	Heavy	Very Heavy	Light	Moderate	Heavy	Moderate	Light	Very Heavy
	Sunshine ..	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	—	Abundant	Moderate	Very Abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 6 weeks from Feb. 26th, 1922.	Warmth ..	**3**, 1, **2**	**2**, 1, **3**	2, 1, **3**	**2**, 1, **3**	**1**, 2, **3**	**1**, 2, **3**	**2**, 1, **3**	**2**, 1, **3**	**1**, 2, **3**	**1**, 2, **3**	**1**, 2, **3**	**1**, 2, **3**
	Rainfall ..	**1**, 1, **4**	**1**, 4, **1**	**2**, 2, **2**	**3**, 2, **1**	**3**, 2, **1**	**3**, 2, **1**	**1**, 1, **4**	**1**, 4 **1**	**4**, 1, **1**	**0**, 4, **2**	**1**, 2, **3**	**4**, 1, **1**
	Sunshine ..	**2**, 3, **1**	**2**, 3, **1**	**1**, 2, **3**	**1**, 2, **3**	**1**, 3, **2**	**0**, 4, **2**	—	**2**, 4, **0**	**2**, 4, **0**	**4**, 2, **0**	**3**, 3, **0**	**0**, 2, **4**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average.
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
Islands *a*: *t* Lerwick	54	43	5, 6	32	3, 6, 7	41·6	33·4	37·3	- 3·1	5	0·10	3	- 11										
p Deerness, Orkney	165	47	6 th	31	2–7	43·3	31·1	36·9	- 4·2	6	0·41	10	- 3	Deerness	6·5	+1·8	49	—	—	—	—	—	—
t Stornoway	51	45	6th	29	6th	43·3	31·4	37·1	- 5·0	—	—	—	—	Stornoway	6·2	+1·2	46	—	—	—	—	—	—
t Castlebay, Barra I.	37	45	6th	35	6th	42·7	36·3	39·4	—	4	0·28	7	—	Castlebay	7·3	—	55	—	—	—	—	—	—
b, Mainland: *t* Wick	81	45	6th	28	5, 7	42·6	31·1	36·6	- 5·0	5	0·24	6	- 6										
a Strathpeffer	125	49	5th	27	4th	45·4	29·3	37·0	- 5·3	1	0·03	1	- 11										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	52	6th	24	6th	46·4	26·7	36·1	- 6·2	4	0·26	7	- 9										
p Fort William	171	51	6th	25	5, 6	47·6	27·1	36·9	- 6·4	3	0·10	3	- 26										
1. SCOTLAND, E.																							
t Nairn	82	48	6, 7	26	6, 7	44·4	30·3	37·0	- 5·3	4	0·24	6	- 2	Nairn	5·7	—	43	—	—	—	—	—	—
p Gordon Castle	101	51	7th	29	6th	45·0	31·3	37·8	- 4·9	5	0·61	15	+ 6	Gordon Castle	6·7	—	50	—	—	—	—	—	—
t Aberdeen	46	47	6ih	28	6th	44·1	31·3	37·4	- 4·9	5	0·49	13	+ 3	Aberdeen	6·2	+0·8	47	7	19	—	—	41·1	+0·1
a Balmoral	930	44	6th	18	6th	39·7	25·4	32·2	- 6·7	4	0·36	9	- 3	Balmoral	—	—	—	7	16	—	—	—	—
p Crieff	432	49	6th	25	6th	45·7	28·4	36·6	- 6·3	3	0·11	3	- 9	Crathes	6·3	+1·2	47	7	22	37·2	—	40·0	—
a Dundee	244	51	6th	24	6th	47·7	28·3	37·5	- 5·0	3	0·13	3	- 6	Dundee	5·7	—	43	7	17	39·3	—	—	—
t Inchkeith (F. of Forth)	190	49	7th	33	4, 5, 6	45·9	34·3	39·8	—	—	—	—	—	Inchkeith (F. of Forth)	7·3	—	55	4	23	—	—	—	—
p Edinburgh	441	46	6, 7	30	4, 5	43·3	32·1	37·4	- 5·0	3	0·07	2	- 5	Edinburgh	5·9	+1·1	44	7	18	—	—	—	—
a West Linton	769	49	7th	20	6th	43·3	24·1	33·2	- 6·5	3	0·07	2	—	West Linton	—	—	—	7	16	—	—	—	—
a Marchmont	498	49	6, 7	28	5, 6, 7	45·1	29·3	36·8	- 4·9	3	0·15	4	- 7	Marchmont	5·6	+0·7	42	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	54	6th	20	4, 6	45.7	23·8	34·2	—	1	0·30	8	—	Ford (Argyll)	—	—	—	7	16	39·7	—	42·0	—
t Renfrew	49	52	7th	22	6th	46·9	27·1	36·5	—	2	0.13	3	—	Renfrew	4·2	—	32	7	14	—	—	—	—
p Rothesay	200	—	—	—	—	—	—	—	—	—	—	—	—	Rothesay	6·2	—	47	—	—	—	—	—	—
a Kilmarnock	90	52	7th	22	4th	48·6	28·4	38·0	- 5·0	2	0·19	5	- 7	Kilmarnock	5·0	—	38	—	—	39·4	—	42·7	—
a Colmonell	170	52	7th	24	4, 6	48·1	28·1	37·6	- 5·8	2	0·75	19	+ 5	Colmonell	—	—	—	6	21	—	—	—	—
p Dumfries	160	50	7th	24	5th	47·0	29·0	37·6	- 6·3	1	0·11	3	- 10	Dumfries	6·3	—	48	7	15	40·1	- 1·9	41·9	- 0·4
t Eskdalemuir	794	49	7 th	17	6th	44·9	23·3	33·6	—	3	0·07	2	—	Eskdalemuir	4·9	—	37	7	12	—	—	—	—
b, I. OF MAN *h* Douglas	284	49	6th	29	2nd	45·1	31·6	38·0	- 6·0	1	0·26	7	- 7	Douglas	7·5	+1·2	56	6	24	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	47	7th	26	6th	44·7	29·3	36·6	- 5·6	4	0·25	6	- 3	Cockle Park	7·2	+1·9	54	7	20	37·3	- 3·6	40·7	- 0·7
t Tynemouth	118	48	7th	30	6th	45·0	32·6	38·5	- 4·1	2	0·04	1	- 6	Tynemouth	—	—	—	7	24	—	—	—	—
p Durham	336	48	6th	23	7th	45·1	27·9	36·1	- 6·2	3	0·10	3	- 5	Durham	5·1	+0·1	39	7	15	—	—	—	—
North: *p* Rounton	249	50	6, 7	25	5, 7	45.3	27·7	36·1	- 6 1	4	0·33	8	0	Rounton	—	—	—	7	16	38·9	—	—	—
a West Witton	605	49	2nd	24	5, 6, 7	43·9	28·1	35·6	—	6	0·33	8	—	West Witton	—	—	—	7	20	36·9	—	39·3	—
h Scarborough	118	49	2, 7	29	5th	46·9	34·0	40·1	- 3·3	1	0·05	1	- 7	Scarborough †	5·8	+0·2	44	—	—	—	—	42·2	—
p York	56	49	5, 6, 7	27	5th	47·3	30·6	38·6	- 5·5	5	0·23	6	- 1	York	5·1	+0·3	39	—	—	40 3	- 2·4	42·1	- 0·5
South: *t* Spurn Head	26	50	6th	30	6th	46·4	33·7	39·8	- 3·5	3	0·13	3	- 2	Spurn Head	5·3	—	40	—	—	—	—	—	—
a Lincoln	58	48	4, 6	28	2, 5	46·3	31·0	38·3	- 6·0	4	0·36	9	+ 2	Lincoln	—	—	—	6	24	38·6	- 4·0	42·2	- 0·5
t Cranwell	237	47	4, 6	26	3rd	45·0	29·6	36·9	- 7·4	3	0·57	15	+ 8	Cranwell	4·3	- 1·5	33	6	16	—	—	—	—
														Skegness	4·7	- 1·4	36	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	47	2, 5, 7	30	2, 3	45·4	31·7	38·2	- 5·5	4	0·24	6	0	Cromer	6·0	+0·2	46	—	—	—	—	—	—
a Little Massingham	277	48	2, 7	26	2nd	44·6	31·1	37·5	- 5·9	6	0·70	18	+10	Lit Massingham	5·0	- 0·4	38	—	—	—	—	—	—
t Yarmouth	13	48	5th	29	2nd	43·4	33·3	38·1	- 5·2	5	0·68	17	+10	Yarmouth	—	—	—	4	25	41·6	- 3·0	44·0	- 1·2
a Norwich	93	49	5th	27	3rd	46·3	31·6	38·6	- 5·7	5	0·68	17	+ 9	Norwich	5·1	—	39	4	21	38·6	—	—	—
a Geldeston	37	52	5th	24	2, 3	46·9	29·4	37·7	- 6 3	5	0·67	17	+10	Geldeston	4·6	- 1·1	35	—	—	—	—	—	—
p Cambridge	41	51	5th	26	5th	45·4	30·4	37·5	- 7·2	5	0·70	18	+11	Cambridge	4·3	- 1·3	33	5	22	41·1	- 3·5	44·0	- 0·7
t Clacton-on-Sea	54	49	5th	28	2nd	44·3	35·3	39·6	- 4·3	5	0·89	23	+17	Clacton-on-Sea	4·4	- 1·7	34	2	20	41·2	- 3·6	44·0	- 1·5
a Rothamsted	420	48	5th	22	2nd	42·9	30·1	36·2	- 7·6	5	0·57	15	+ 7	Rothamsted	3·7	- 1·6	28	5	12	37·9	—	—	—
p Tottenham	51	48	5, 6	27	2nd	44·4	32·7	38·3	—	5	0·91	23	—	Tottenham	3·5	—	27	—	—	—	—	—	—
														Southend	4·3	—	33	2	27	40·6	—	—	—
4. MIDLAND COUNTIES.																							
North: *h* Harrogate	479	49	5th	27	3, 7	45·0	28·7	36·5	- 6·1	5	0·56	14	+ 4	Harrogate	4·5	- 0·8	34	7	23	38 8	- 2·5	41·0	- 0·8
p Sheffield	429	46	5, 6, 7	29	3rd	44·3	32·3	38·0	—	3	0·79	20	—	Sheffield	2·7	- 2·0	21	6	23	37·2	- 4·5	40·1	- 1·6
p Buxton	987	44	4th	24	2, 3	40·9	28·0	34·1	- 7·1	5	0·71	18	+ 1	Buxton	3·1	—	24	7	18	36·1	- 4·5	39·9	- 1·2
East: *a* Worksop	56	51	4th	25	3rd	47·1	28·6	37·4	- 6·8	5	0·75	19	+11	Worksop	2·7	- 1·9	21	6	18	39·6	—	42·0	—
t Nottingham	82	50	2th	27	2nd	45·4	30·1	37·4	- 6·9	5	0·96	25	+17	Nottingham	3·1	- 1·9	24	6	22	38·4	- 4·0	39·1	- 2 4
p Birmingham, Edgbsn.	525	48	4th	28	2nd	44·6	31·7	37.8	- 6·3	4	0·67	17	+ 8	Birmingham	2·4	- 1·7	18	6	14	37·7	- 4·3	43·0	- 0·5
a Raunds	213	48	2, 5	24	2nd	44·4	30·0	36·9	- 7·6	4	0·66	17	+ 9	Raunds	3·9	—	29	5	18	39·8	—	—	—
p Oxford	208	51	5th	24	2nd	46·0	32·9	39·1	- 6·1	5	0·75	19	+10	Oxford	4·9	- 0·4	37	5	19	—	—	—	—
														Malvern	5·3	—	41	5	22	39·8	—	42·2	—
West: *a* Cheadle (N. Staffs.)	646	48	6th	28	5, 6	44·1	29·6	36·5	- 6·5	4	0·69	18	+ 7	Cheadle	—	—	—	7	17	—	—	—	—
p Tenbury	313	53	6th	23	2nd	46·4	30·0	37·8	- 6·6	5	0·67	17	+ 9	Tenbury	—	—	—	7	19	40·0	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	5·6	—	43	6	17	39·3	—	42·7	—
a Clifton	225	52	5th	27	2nd	45 3	32·6	38·7	- 7·2	4	0·84	21	+ 9	Clifton	5·7	—	43	5	25	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	50	5, 8	23	2nd	45·1	30 7	37·6	- 6·3	4	1·11	28	+18	Worthing	4·9	- 1·2	37	3	19	42·5	- 2·9	45·1	- 0·4
a Porton	340	52	5th	22	5th	45·7	31·0	38·0	—	5	0·68	17	—	Marlborough	5·0	+0·3	38	4	16	41·3	—	44·5	—
a Wisley, Surrey	150	52	5th	24	2nd	45·3	33·1	38·9	- 6·4	5	0·83	21	+14	Porton	—	—	—	5	17	40·0	—	—	—
h Tunbridge Wells	354	51	5th	23	2nd	44·9	32·6	38·5	- 6·6	4	1·20	30	+21	Wisley, Surrey	3·8	- 1·4	29	5	14	40·2	- 3·7	43·1	- 1·1
h Margate	51	46	5th	30	4 th	43·9	35·0	39·2	- 6·4	6	0·65	17	+10	Tunbridge Wells	3·2	- 2·4	25	5	12	40·8	—	43·6	—
														Margate	4·0	- 1 6	30	2	28	41·6	- 3·1	44·2	- 0·7
t Dungeness	21	49	5th	27	2nd	45·9	35·6	40·5	- 4·3	6	1·31	33	+26	Folkestone	3·9	—	30	1	30	—	—	46·8	—
h St. Leonards	178	48	6th	31	2nd	45·6	36·0	40·6	- 5·0	5	1·36	35	+27	St. Leonards	4·5	- 1·4	35	4	22	42·0	—	44·3	—
p Southampton	64	53	5, 6	28	5th	47·9	34·3	40·8	- 6·2	5	1·14	29	+20	Southampton	4·6	- 1·2	35	5	16	—	—	—	—
a Ventnor	59	51	5, 6	34	4, 5	48·7	37·3	42·7	- 4·1	5	1·78	45	+37	Ventnor	4·9	- 1·2	37	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	51	5th	26	2nd	45·3	34·0	39·4	- 6·4	5	1·00	25	+18	Richmond	3·8	- 1·2	29	4	19	39·9	- 4·1	44·1	- 0·5
a Westminster	27	50	5, 6	26	2nd	46·1	34·9	40·2	- 6·4	6	1·18	30	+23	Westminster	3·4	- 0·6	26	5	19	—	—	—	—
a Greenwich	149	51	5th	25	2nd	45·7	33·1	39·1	- 6·8	5	1·13	29	+22	Greenwich	3·1	- 1·8	24	4	15	—	—	—	—
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	3·5	—	27	—	—	—	—	—	—
a Camden Square	110	51	5, 6	26	2nd	46·3	33·4	39·5	- 7·2	6	1·21	31	+23	Camden Square	—	—	—	3	25	39·2	—	43·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	5, 7	26	4th	45·1	29·1	36·7	- 6 4	2	0·03	1	- 11	Aspatria	7·5	+2·2	57	6	18	39·7	- 2·9	42·0	- 0·9
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	47	6, 7	27	7th	44·7	30·4	37·2	- 5·9	4	0·36	9	- 6	Stonyhurst	4·8	- 0·2	36	6	24	—	—	—	—
h Blackpool	66	51	7th	27	6th	45 7	30 1	37 5	- 6·3	1	0·25	6	- 4	Blackpool	5·7	- 0·2	43	7	14	40 2	—	43·3	—
h Southport	37	50	7th	28	3rd	45·0	31·0	37·7	- 6 4	3	0·19	5	- 5	Southport	5·5	- 0·1	42	6	22	38 5	- 5·1	41·5	- 2·0
														Hoylake	4 3	- 1·1	33	—	—	—	—	—	—
t Liverpool (Bidston)	188	47	6, 7,	28	2nd	44·1	33·4	38·5	- 6·2	2	0·18	5	- 4	Liverpool	4·0	—	30	6	26	—	—	—	—
a Hawarden Bridge	22	48	7th	30	3rd	45·1	32·9	38·7	- 6 7	1	0.41	10	+ 3	Manchester City	1·6	- 2·6	12	6	27	38·6	- 5·2	41·9	- 1·4
p Manchester (Whit. Pk.)	125	49	7th	27	2nd	45·1	31·4	37·9	- 7·2	3	0·44	11	+ 1	„ Whit. Pk.	1·6	- 2·2	12	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	50	7th	30	2, 6	45.1	32·6	38·6	- 6·7	3	0·45	12	+ 3	Llandudno	4·0	- 1·7	31	—	—	—	—	—	—
t Holyhead	15	50	7th	32	2nd	45·6	36 0	40·6	- 4·3	2	0·31	8	- 3	Holyhead	6 6	—	50	2	28	—	—	—	—
a Aberdovey	60	48	4, 7, 8	34	4, 6	46·7	35·7	40·9	—	4	0·55	14	—	Aberdovey	6·2	+0·6	47	6	23	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *c* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the week	Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																							
h Aberystwyth	16	48	7th	28	4th	46·0	33·6	39·5	—	3	0·53	13	—	Aberystwyth	6·1	+1·0	46	—	—	—	—	—	—
a Rhayader	757	46	6th	21	2nd	42·3	29·0	35·3	—	6	0·74	19	—	Rhayader ..	5·6	—	43	6	13	—	—	—	—
t Pembroke	149	48	6, 8	33	2, 3	45·3	37·1	41·0	- 4·1	6	0·36	9	- 2	Pembroke ..	5·8	+0·2	44	—	—	—	—	—	—
p Cardiff	202	52	8th	27	2nd	45·4	32·9	38.9	- 6·0	4	0·93	24	+10	Cardiff ..	6·4	—	49	7	21	38·9	- 5·4	43·5	- 0·9
b. ENGLAND, S.W.																							
h Bath	66	53	5th	25	2nd	46·1	32·4	38·9	- 6·4	5	0·92	23	+13	Bath	5·1	+0·1	39	—	—	40·9	—	44·3	—
a Shaftesbury	722	50	5, 6	28	2nd	44·7	31·7	37·9	- 6·1	6	1·07	27	+16	Shaftesbury ..	—	—	—	—	—	39·8	—	43·1	—
a Arlington	613	52	5th	29	5th	45·7	32·5	38·8	- 5·3	5	0·79	20	+ 3										
h Newquay	190	53	5th	34	5th	47·5	39·1	43·1	- 3·3	5	0·83	21	+10	Newquay ..	4·6	- 0·9	35	—	—	45·1	—	46·9	—
a Cullompton	202	54	5th	26	5th	47·0	34·0	40·2	- 5·4	5	0·98	25	+13	Cullompton ..	4·6	- 0·4	35	5	16	42·8	—	—	—
t Portland Bill ..	19	49	3rd	34	4th	46·3	36·7	41·3	- 4·3	4	0·92	23	+14	Weymouth ..	5·3	—	40	—	—	—	—	—	—
p Plymouth	116	56	6th	30	5th	50.6	35·9	42·9	- 3·8	5	0·76	19	+ 7	Plymouth ..	5·2	- 0·3	40	2	25	44·1	- 2·3	46·1	—
h Falmouth	167	53	5, 7	34	4, 5	49·9	38·3	43·8	- 2·7	5	1·43	36	+22	Falmouth ..	4·7	- 1·0	36	2	26	45·8	—	47·6	—
9. IRELAND, N.																							
a, West .. t Malin Head	71	47	7th	32	2, 5	44·6	33·6	38·8	- 5·0	2	0·24	6	- 5	Malin Head ..	7·9	—	59	—	—	—	—	—	—
t Blacksod Point ..	10	49	5, 7	30	6th	47·7	35·1	41·1	- 4·2	—	—	—	—										
a Mallarany	120	51	7th	31	2nd	49·3	34·1	41·3	—	4	0·34	9	—	Mallarany ..	8·0	—	61	7	23	—	—	—	—
p Markree Castle.. ..	122	53	7th	23	2nd	49·7	27·3	38·0	- 6·2	3	0·57	14	- 2	Markree Castle	7·7	+2·8	58	7	17	43·5	- 1·5	45·0	+0·5
b, East .. p Armagh	204	50	6, 7	24	2, 3	47·9	28·3	37.6	- 6·3	4	0·29	7	- 5	Armagh ..	6·1	+1·3	46	7	16	41·2	- 2·7	43·9	- 0·2
t Donaghadee	35	49	6, 7	31	2, 3	46·7	32·1	39·1	- 5·0	2	0·32	8	- 3										
														Trinity Coll.	—	—	—	5	24	41·9	- 3·1	44·7	- 0·7
														Phœnix Park	5·8	+0·5	44	7	17	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	49	4, 7	29	2nd	46·4	34·3	40·1	- 6·1	5	0·44	11	+ 1	Dublin City ..	—	—	—	3	25	—	—	—	—
t Birr Castle	175	51	6th	26	2nd	48·0	30·4	38·8	- 5·7	4	0·20	5	- 7	Birr Castle ..	5·9	+1·0	45	5	19	—	—	—	—
a Kilkenny	195	52	8th	28	6th	47·7	31·7	39·3	- 5·7	0	0·00	0	- 12										
a Waterford	137	53	5th	30	7th	48·7	33·7	40·8	- 5·2	3	0·12	3	- 11										
p Seskin, Carrick-on-Suir	542	54	4th	30	4th	49·7	32·9	40·9	—	3	0·04	1	—	Seskin ..	6·5	—	50	5	27	—	—	—	—
a Foynes	50	55	6th	29	2nd	49·0	35·1	41·7	- 4·4	3	0·05	1	- 13										
t Cahirciveen (Val. Obs.)	30	50	4, 5	31	6th	47·6	37·1	42·1	- 4·7	5	0·37	9	- 12	Cahirciveen ..	5·5	+0·3	42	2	27	—	—	—	—
a Killarney	174	54	6th	30	4th	48·5	34·2	41·0	- 5·2	5	0·25	6	- 13	Ballinacurra	5·9	+0·3	45	—	—	—	—	—	—
t Roche's Point	32	52	4th	35	4th	49 1	38·0	43·3	- 3·0	4	0·51	13	- 2										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	7th	38	4th	50·0	41·6	45·6	- 2·0	5	1·23	31	+21	Scilly ..	4·7	- 0 9	36	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	54	7th	33	5th	49·3	39·1	44·0	- 3·7	7	1·50	38	+28	St. Heliers ..	3·9	- 2·2	30	—	—	—	—	—	—
p Guernsey† ..	173	55	7th	34	5th	49·7	39·0	44·1	- 3·7	6	1·77	45	+34	Guernsey ..	4·9	- 1·1	37	2	30	45·0	- 2·3	47 0	- 0·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 8th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.		Highest Gust. Speed.		Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																					
**Deerness (Cup Anr.) ..	188	16	5	—	0	7	3	53	100	12	0	120	29	13	7	24	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	88	80	0	90	11	5	8	8	27	12	8	8	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	25	118	25	0	80	19	9	8	8	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	3	111	54	0	110	13	6	8	15	23	10	8	13	15
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	17	64	87	0	50	18	8	3	12	33	15	3	11	55
Paisley	188	81	15	—	0	—	0	1	102	65	0	300	13	6	4	16	33	15	8	15	20
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	4	102	62	0	320	15	7	4	9	26	11	4	8	50
South Shields	72	61	12	—	0	—	0	35	94	39	0	120	17	8	8	14	29	13	6	19	15
Spurn Head	67	41	‡	—	0	—	0	71	86	11	0	340	20	9	4	12	35	16	4	12	55
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	3	7	71	80	10	0	110	27	12	3	13	39	17	3	13	15
Shoeburyness	103	90	‡	—	0	3, 7	20	40	36	8	64	90	33	15	3	10	43	19	3	9	25
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	53	79	36	0	110	20	9	7	7	31	14	3	12	50
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	57	95	16	0	—	22	10	3	21	40	18	3	12	30
Larkhill, S'y Plain ..	513	63	43	—	0	3	5	78	82	0	3	50	28	13	3	20	36	16	8	14	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	36	91	41	0	70	21	10	3	10/11	?34	?15	3	?6	40
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	38	113	17	0	30	23	10	3	15	—	—	—	—	—
Southport	80	62	48	—	0	—	0	45	102	21	0	60	24	11	3	17	38	17	3	16	55
Holyhead	60	40	‡	—	0	3	9	33	110	16	0	50	34	15	3	12	43	19	3	11	45
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	2, 3	19	2, 3, 7	36	58	34	19	2	—	49	22	3	1	60	27	3	2	30
Plymouth	185	88	2	—	0	2, 3	17	55	76	20	0	—	31	14	3	4	51	23	3	3	45
Lyme Regis	556	61	‡	—	0	3	3	26	51	88	0	—	30	13	3	21	41	18	3	21	20
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	3	15	55	82	16	0	70	32	14	3	10	—	—	—	—	—
Quilty	100	40	‡‡	—	0	—	0	35	79	30	24	—	21	10	7	5	34	15	7	7	10
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	3	2	73	73	20	0	40	27	12	3	14	39	17	3	13	50
Weaver Pt.	160	30	‡	—	0	2, 3	32	81	55	0	0	—	30	14	3	14	40	18	3	4	55
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	2, 3	3	2, 3, 6, 7	42	39	58	26	0	100	45	20	3	2	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTEENTH WEEK of 1922—April 2nd to April 8th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	52	24	44·5	29·8	36·8	− 5.0	7	− 15	43	+21	4	0	0·15	4	− 16	6·4	+1·9	48	1006
Eastern.																			
1. SCOTLAND, EAST ..	51	18	44·2	29·3	36·4	− 5·6	6	− 20	45	+20	4	0	0·28	7	− 3	5·9	+0·9	44	1006
2. ENGLAND, N.E. ..	50	23	45·8	30·7	37·9	− 5·2	11	− 17	39	+21	3	0	0·23	6	− 1	5·4	− 0·2	41	1005
3. ENGLAND, EAST ..	52	22	44·8	31·7	38·0	− 6·1	8	− 27	36	+18	5	+ 2	0·68	17	+10	4·5	− 1·1	34	1004
4. MIDLAND COUNTIES	53	23	45·4	30·5	37·6	− 6·6	10	− 28	40	+20	5	+ 2	0·73	19	+10	4·0	− 1·1	30	1004
5. ENGLAND, S.E. ..	53	22	45·8	34·0	39·6	− 6·0	11	− 27	27	+16	5	+ 2	1·11	28	+20	4·3	− 1·3	33	1004
Western.																			
6. SCOTLAND, WEST ..	54	20	46·9	28·0	37·0	− 6·7	14	− 14	49	+32	2	− 2	0·29	7	− 9	—	—	—	1006
7. ENGLAND, N.W. ..	51	26	45·0	32·1	38·2	− 5·9	8	− 22	35	+20	2	− 1	0·30	8	− 3	5·4	+0·2	41	1005
8. ENGLAND, S.W. ..	56	21	46·3	34·1	39·9	− 5·5	12	− 24	27	+18	5	+ 2	0·89	23	+10	5·2	0·0	40	1004
9. IRELAND, NORTH ..	53	23	47·4	31·1	38·9	− 5·3	15	− 16	37	+24	3	− 1	0·32	8	− 6	6·9	+2·1	52	1005
10. IRELAND, SOUTH ..	55	26	48·2	34·3	40·9	− 4·9	17	− 21	25	+16	4	0	0·24	6	− 8	5·8	+0·5	44	1005
11. ENGLISH CHANNEL..	55	33	49·7	39·9	44·6	− 3·1	24	− 18	6	+ 4	6	+ 2	1·50	38	+28	4·5	− 1·5	34	1003
MEAN: DISTRICTS 1-10	56	18	46·0	31·6	38·4	− 5·8	11	− 22	36	+21	4	0	0·51	13	+ 2	5·3	0·0	40	1005

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, February 26th to April 8th, 1922.

0. SCOTLAND, NORTH ..	59	21	45·1	33·9	39·3	− 0·3	50	− 26	166	− 10	26	− 3	4·08	104	− 40	3·4	+ 0·1	28	1008
Eastern.																			
1. SCOTLAND, EAST ..	57	15	44·9	32·6	38·6	− 1·0	51	− 44	194	− 4	25	0	2·57	66	− 14	3·7	0·0	31	1009
2. ENGLAND, N.E. ..	59	23	45·3	34·3	39·6	− 1·4	60	− 57	160	+ 7	26	+ 3	2·42	62	+ 2	3·3	− 0·8	28	1010
3. ENGLAND, EAST ..	60	22	46·3	35·4	40·7	− 0·8	81	− 65	137	− 21	25	+ 4	2·64	66	+10	3·7	− 0·4	31	1010
4. MIDLAND COUNTIES	59	22	45·9	34·0	39·8	− 1·7	69	− 84	163	− 3	26	+ 5	3·88	99	+36	2·9	− 0·8	24	1010
5. ENGLAND, S.E. ..	56	20	47·0	36·6	41·6	− 1·0	97	− 58	114	− 7	24	+ 3	3·90	99	+33	3·5	− 0·7	29	1010
Western.																			
6. SCOTLAND, WEST ..	62	20	47·6	33·7	40·4	− 0·8	97	− 9	165	+25	18	− 7	2·68	68	− 52	—	—	—	1009
7. ENGLAND, N.W. ..	58	23	45·8	35·5	40·5	− 1·2	69	− 48	132	+ 4	20	− 3	2·78	71	− 14	4·1	+ 0·3	35	1010
8. ENGLAND, S.W. ..	58	20	47·0	36·5	41·5	− 1·5	91	− 61	112	+11	26	+ 3	5·34	137	+37	4·2	+ 0·1	35	1010
9. IRELAND, NORTH ..	58	23	47·7	35·6	41.4	− 1·0	99	− 32	123	+ 6	22	− 6	2·55	65	− 35	4·9	+ 1·4	41	1009
10. IRELAND, SOUTH ..	58	25	48·9	37·1	42·8	− 1·0	125	− 46	92	+ 3	21	− 3	2·72	68	− 37	4·7	+ 0·7	39	1010
11. ENGLISH CHANNEL..	57	31	49.6	41·4	45·3	− 0·4	164	− 25	24	− 10	30	+ 5	5·71	145	+62	3·8	− 1·1	32	1010
MEAN: DISTRICTS 1-10..	62	15	46·6	35·1	40·7	− 1·1	84	− 50	139	+ 2	23	0	3·15	80	− 3	3·9	0·0	33	1010

THE YEAR. Aggregates, &c., for the Period of 14 Weeks, January 1st to April 8th, 1922.

0. SCOTLAND, NORTH ..	59	18	43·4	33·9	38·6	−0·1	66	− 63	397	− 64	66	− 4	12·72	324	− 71	2·1	0·0	22	1006
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·4	32·3	37·3	− 1·0	61	− 90	519	− 13	64	+ 7	7·81	199	+ 5	2·5	− 0·2	25	1007
2. ENGLAND, N.E. ..	62	12	43·5	33·5	38·5	− 1·0	101	− 86	447	+21	61	+ 8	6·81	174	+37	2·5	− 0·3	25	1009
3. ENGLAND, EAST ..	61	16	44·8	34·3	39·6	− 0·1	143	− 79	384	− 67	58	+ 6	7·87	199	+64	2·8	− 0·2	28	1011
4. MIDLAND COUNTIES	61	11	44·7	33·2	38·9	− 0·8	131	−107	433	− 35	62	+10	9·13	231	+74	2·3	− 0·3	23	1010
5. ENGLAND, S.E. ..	60	17	46·2	36·0	41·1	+ 0·1	191	− 64	280	− 73	61	+10	9·23	235	+68	2·8	− 0·2	27	1011
Western.																			
6. SCOTLAND, WEST ..	62	15	45·1	34·3	39·7	− 0·4	136	− 46	366	− 4	62	− 1	13·24	336	+12	—	—	—	1008
7. ENGLAND, N.W. ..	61	20	44·9	35·5	40·2	− 0·3	132	− 65	314	− 37	58	+ 2	9·38	239	+22	2·8	+ 0·2	28	1009
8. ENGLAND, S.W. ..	58	13	46·8	36·8	41·8	− 0·1	213	− 65	229	− 51	65	+ 8	12·63	323	+66	2·9	0·0	29	1010
9. IRELAND, NORTH ..	58	22	47·0	37·0	41·9	+ 0·5	212	− 27	219	− 91	68	+ 1	11·01	280	+27	3·3	+ 0·8	33	1007
10. IRELAND, SOUTH ..	60	23	48·6	38·2	43·4	+ 0·6	295	− 36	160	− 81	64	+ 3	11·25	284	+ 7	3·2	+ 0·3	31	1009
11. ENGLISH CHANNEL..	58	28	49·5	41·9	45·7	+ 0·9	408	+26	50	− 54	72	+ 9	11·81	300	+83	3·0	− 0·5	29	1011
MEAN: DISTRICTS 1-10 ..	62	8	45·4	35·1	40·2	− 0·3	162	− 67	335	− 43	62	+ 5	9·84	250	+38	2·8	0·0	28	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
14th April, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE 24 APR 1922 LIBRARY

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 15.

FIFTEENTH WEEK.

SUNDAY, APRIL 9TH, TO SATURDAY, APRIL 15TH, 1922.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands, as a whole, was changeable and unsettled. Snow fell at a few stations and hail was reported in places. At the end of the week a deep depression, which had been centred over the north of Ireland, moved north-eastwards, and strong winds and gales were experienced in many parts of the country. Several heavy falls of rain occurred on the 14th, notably in Scotland and Ireland, amongst the largest amounts being 44mm. at Colmonell (Ayr), 39mm. at Ford (Argyll), 38mm. at Renfrew, 37mm. at Crieff (Perth), 35mm. at Castlebay (Hebrides), 33mm. at Rothesay (Bute) and at Eskdalemuir, 31mm. at Seskin (Carrick-on-Suir), 30mm. at Markree Castle (Sligo) and 29mm. at Waterford and also at Roche's Point. The total amount of rainfall for the week was above the normal in all districts. The highest temperatures occurred on various dates; in the eastern and south-eastern parts of England, Friday was the warmest day, maxima of 70°F. being registered at one or two stations. Screen minima below the freezing point were recorded in several places, and at a few of the Scottish stations readings below 25°F. were obtained during the early part of the week. Ground frosts were frequent and widespread, and in several instances temperature on the grass fell below 20°F. The mean temperature for the week was below the normal in most districts. Bright sunshine varied a good deal, the mean departure from the normal for the week ranging from +1·8 hours at Cromer to −3·2 hours at St. Leonard's. Amongst the largest individual amounts were 12·2 hours at Newquay and Weymouth, 11·2 hours at Rothesay and Guernsey and 11·0 hours at Plymouth on the 9th; 11·9 hours at Cromer, 10·9 hours at Geldeston (near Beccles) and 10·7 hours at Aberystwyth on the 10th; 11·8 hours at Shoeburyness and 10·4 hours at Clacton on the 11th; 11·5 hours at Douglas, 11·3 hours at Marchmont (Berwick) and 10·6 hours at Blackpool on the 13th, and 11·7 hours at Skegness on the 15th. Solar halos were observed at Oxford on the 10th, 11th, 13th, and 14th, at Birmingham and Raunds on the 11th, at Tenbury and Stonyhurst on the 13th, and at Aberdeen and Ross-on-Wye on the 13th and 14th. Lunar halos were seen at Oxford on the 10th and at Durham, Ross-on-Wye and Dublin on the 11th. The Zodiacal Light was witnessed at Oxford on the 15th and at Ross-on-Wye on the 14th and 15th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	16	8	3·4	15	9	4·1	23	17	7·4	20	13	5·6	13	13	5·8	13	17	7·6	12	11	5·1	2	11	4·8
North	9	6	2·6	6	5	2·1	2	3	1·5	1	1	0·5	8	12	5·3	4	13	6·0	8	8	3·6	16	12	5·4
West	9	7	3·2	9	9	3·9	13	9	4·2	8	7	3·3	11	10	4·4	7	19	8·6	11	13	5·7	8	11	4·7
East	18	11	4·9	12	6	2·8	11	9	3·9	10	7	3·0	12	9	3·9	10	16	7·2	9	8	3·6	9	11	5·0
Calm (or wind-speed < 4 m.p.h.)	1	—	—	6	—	—	2	—	—	4	—	—	3	—	—	9	—	—	7	—	—	9	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
Rainfall ..	Heavy	Very Heavy	Heavy	Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy
Sunshine ..	Abundant	Scanty	Moderate	Moderate	Scanty	Scanty	—	Moderate	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 7 weeks from Feb. 26th, 1922. Warmth ..	3, 1, 3	2, 1, 4	2, 2, 3	2, 2, 3	1, 3, 3	1, 3, 3	2, 1, 4	2, 2, 3	1, 3, 3	1, 2, 4	1, 2, 4	1, 3, 3
Rainfall ..	2, 1, 4	2, 4, 1	3, 2, 2	4, 2, 1	4, 2, 1	4, 2, 1	2, 1, 4	2, 4, 1	5, 1, 1	1, 4, 2	2, 2, 3	5, 1, 1
Sunshine ..	3, 3, 1	2, 3, 2	1, 3, 3	1, 3, 3	1, 3, 3	0, 4, 3	—	2, 5, 0	2, 4, 1	4, 2, 1	3, 3, 1	0, 2, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	46	14th	31	9th	43·0	34·9	38·8	- 1·3	6	1·75	45	+30										
p Deerness, Orkney ..	165	46	14th	31	911-13	44·1	32·3	37·9	- 3·1	5	1·54	39	+25	Deerness ..	5·7	+1·1	41	—	—	—	—	—	—
a Islands { *t* Stornoway	31	48	9th	28	14th	44·0	34·0	38·8	- 3·3	6	1·01	26	+ 6	Stornoway ..	4·5	- 0·4	32	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
t Wick	81	45	10th	28	11th	43·3	35·3	39·1	- 2·5	4	1·69	43	+30										
a Strathpeffer	125	48	10th	26	9th	45·0	30·0	37·1	- 5·4	3	0·98	25	+12										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus ..	68	47	9, 13	26	14th	45·3	31·4	38·0	- 4·4	5	0·66	17	0										
p Fort William	171	50	11th	29	14th	46·1	32·9	39·2	- 4·2	5	1·18	30	0										
1. SCOTLAND, E.																							
t Nairn	82	49	9, 13	27	9, 14	45·3	30·9	37·8	- 4·8	5	1·32	34	+23	Nairn ..	2·8	—	20	—	—	—	—	—	—
p Gordon Castle	101	47	11th	30	9th	45·3	32·1	38·4	- 4·5	5	1·84	47	+35	Gordon Castle	2·7	—	19	—	—	—	—	—	—
t Aberdeen	46	48	15th	32	12, 14	45·7	34·7	39·9	- 2·6	4	1·15	29	+16	Aberdeen ..	3 0	- 1·9	22	3	26	—	—	40·9	- 0·8
a Aberdeen	930	45	13, 15	24	10, 14	41·6	27·1	34·0	- 5·4	6	1·80	46	+30	Balmoral ..	—	—	—	5	21	—	—	—	—
a Balmoral	432	49	13th	30	101114	45·7	32·0	38 5	- 4 8	4	2·52	64	+49	Crathes ..	2·4	- 2·2	18	5	24	38·3	—	40·0	—
p Crieff	244	51	13th	28	14th	48·0	31·9	39·6	- 3·2	3	0·91	23	+11	Dundee ..	3·4	—	24	5	21	40·6	—	—	—
a Dundee														Inchkeith									
t Inchkeith (F. of Forth)	190	51	15th	34	10th	46·0	36·0	40·8	—	4	0·72	18	—	(F. of Forth)	4·2	—	30	4	28	—	—	—	—
p Edinburgh	441	51	15th	30	9th	46·4	33·9	39·9	- 2·7	5	0·73	19	+ 9	Edinburgh ..	4·1	- 0·1	30	5	18	—	—	—	—
a West Linton	769	50	14, 15	19	9th	48 1	26·1	36 6	- 3·4	5	0·99	25	—	West Linton	—	—	—	6	15	—	—	—	—
a Marchmont	498	52	15th	29	9th	47·0	31·9	39·1	- 2·9	4	1·53	39	+25	Marchmont ..	4·8	+0·3	35	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	50	9th	28	14th	47.6	31·4	39·1	—	4	2·66	68	—	Ford (Argyll)	—	—	—	5	23	40·4	—	42·0	—
t Renfrew	49	50	12, 15	24	11th	47·6	30 9	38·9	—	4	1.88	48	—	Renfrew ..	4·6	—	33	6	17	—	—	—	—
p Rothesay	200	48	13, 15	32	12th	45.9	34·4	39·9	- 4·4	5	2·18	55	+37	Rothesay ..	6·0	—	44	5	27	42·0	—	43·0	- 0·6
a Kilmarnock	90	52	13, 15	28	11th	50·6	33·1	41·4	- 1·8	3	1·04	27	+14	Kilmarnock ..	4·6	—	33	—	—	41·1	—	42·6	—
a Colmonell	170	52	131415	28	11th	50·1	35·0	42·2	- 1·3	5	2·31	59	+44	Colmonell ..	—	—	—	2	25	—	—	—	—
p Dumfries	160	52	11, 15	29	11th	48·6	34·0	41·0	- 3·2	4	1·76	45	+32	Dumfries ..	4·8	—	35	4	23	41·6	- 1·7	42·0	- 1·1
t Eskdalemuir	794	50	15th	23	9th	45·7	31·3	38·2	—	5	2·26	57	—	Eskdalemuir	4 2	—	31	4	19	—	—	—	—
b, I. OF MAN *h* Douglas	284	50	15th	34	9th	46 4	36 6	41·3	- 2·8	5	1·74	44	+29	Douglas ..	4·3	- 1·5	31	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	59	15th	28	9th	49·1	33·0	40·7	- 2·0	4	1·59	40	+28	Cockle Park ..	5·1	+0·6	37	5	17	39·2	- 2·7	41·0	- 1·1
t Tynemouth	118	57	15th	33	11th	47·9	36·4	41·9	- 1·1	4	0·81	21	+12	Tynemouth ..	—	—	—	3	28	—	—	—	—
p Durham	336	57	15th	27	11th	47·9	32·7	39·9	- 3·0	4	0·91	23	+13	Durham ..	4·6	+0·3	34	5	18	—	—	—	—
a North .. *p* Rounton	249	58	15th	29	9, 11	50.1	33·9	41 6	- 1 2	4	0·85	22	+11	Rounton ..	—	—	—	6	18	40·4	—	—	—
a West Witton	605	55	15th	29	11, 12	48·6	32·7	40·3	—	4	1·50	38	—	West Witton	—	—	—	5	21	38·6	—	39·1	—
h Scarborough	118	58	15th	36	10th	49·3	39·4	44·1	+0·2	4	0·85	22	+12	Scarborough †	5·1	+0·2	37	—	—	—	—	43·2	—
p York	56	57	15th	30	11th	51·7	37·3	44·2	- 0·6	4	0·78	20	+10	York ..	3·7	- 0·6	27	—	—	41 5	- 2·4	42·3	- 1·0
t Spurn Head	26	59	15th	32	9th	50 9	38·0	44·1	+0·2	4	0·41	11	+ 4	Spurn Head ..	5·5	—	40	—	—	—	—	—	—
b, South .. *a* Lincoln	58	63	14th	32	10th	53 4	38·9	45 8	- 0·7	5	0·57	14	+ 5	Lincoln ..	—	—	—	1	29	42·1	- 1·9	42·6	- 0·8
t Cranwell	237	63	14th	27	10th	52·9	36·3	44 2	- 0 8	5	0·76	19	+10	Cranwell ..	5·7	+0 6	42	3	21	—	—	—	—
														Skegness ..	5·8	+0·3	42	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	65	14th	32	10th	54·4	38·9	46·3	+2·1	4	0·34	9	+ 1	Cromer ..	7·1	+1·8	52	—	—	—	—	—	—
a Little Massingham ..	277	63	14th	30	10, 11	53·4	37·1	44 9	+0·9	3	0·65	16	+ 6	Lit Massingham	6 5	+1·5	48	—	—	—	—	—	—
t Yarmouth	13	59	15th	32	12th	51·0	39·7	45 1	+1·2	2	0·36	9	- 1	Yarmouth ..	—	—	—	0	31	45·0	- 1·0	44·4	- 1·5
a Norwich	93	65	14th	29	10th	55 0	38·3	46·3	+1·5	2	0·52	13	+ 2	Norwich ..	6·3	—	47	4	22	43·5	—	—	—
a Geldeston	37	64	14th	31	10th	54·3	37 9	45·7	+1 2	2	0·31	8	- 1	Geldeston ..	6·5	+1·3	48	—	—	—	—	—	—
p Cambridge	41	66	14th	26	11th	54·3	36·6	45 0	- 0·4	4	0·58	15	+ 6	Cambridge ..	5·5	+0·3	40	3	24	44·3	- 1·6	44·3	- 1·1
t Clacton-on-Sea ..	54	56	13th	35	9th	49 7	42·1	45 7	+1·2	3	0·31	8	0	Clacton-on-Sea	5·7	+0·1	42	0	32	44 5	- 1·5	44·6	- 1·6
a Rothamsted	420	66	14th	30	10th	53·4	37·3	45 0	+0·5	4	1·31	33	+23	Rothamsted	4·6	- 0·3	34	4	19	42·0	—	—	—
p Tottenham	51	70	14th	34	10, 11	56·9	40·3	48·2	—	3	0·71	18	—	Tottenham ..	5·0	—	37	—	—	—	—	—	—
														Southend ..	6·0	—	44	0	34	44·0	—	—	—
4. MIDLAND COUNTIES.																							
North .. *h* Harrogate	479	57	15th	28	11th	48·7	33·4	40·7	- 2·3	4	1·37	35	+24	Harrogate ..	4·0	- 0·9	29	3	24	40 2	- 2·2	41·1	- 1·4
p Sheffield	429	56	14th	31	11th	50·4	36·9	43·3	—	5	1·22	31	—	Sheffield ..	3·3	- 1·1	24	2	26	39·1	- 3·8	40·1	- 2·1
p Buxton	987	54	14th	27	11th	46·6	34·0	40·0	- 1·7	6	1·02	26	+ 9	Buxton ..	3·3	—	24	4	21	38·3	- 3·6	39 6	- 2·0
a Worksop	56	61	14th	27	11th	53·1	35·9	44·1	- 0·5	5	0·78	20	+11	Worksop ..	3·7	- 0·6	27	4	22	42·7	—	42·6	—
t Nottingham	82	64	14th	32	11th	52 4	37·9	44·8	0·0	5	0·67	17	+ 9	Nottingham ..	3 3	- 1·4	24	1	28	42·6	- 1·2	39 5	- 2 8
b, East .. *p* Birmingham, Edgbas...	525	62	14th	32	11th	50·9	36·9	43.6	- 1·0	5	0·84	21	+11	Birmingham	1·8	- 1·9	13	2	25	40·7	- 2·1	43·0	- 0 8
a Raunds	213	67	14th	28	11th	54 9	36·1	45·1	0·0	4	0·82	21	+13	Raunds ..	5·2	—	38	3	23	42·9	—	—	—
p Oxford	208	64	14th	31	11th	53·1	38·0	45·2	- 0·6	6	1·14	29	+20	Oxford ..	2·8	- 2·1	21	3	25	—	—	—	—
														Malvern.. ..	3·2	—	24	3	28	42·8	—	42·8	—
a Cheadle (N. Staffs.) ..	646	59	14th	30	11th	49·6	35·1	42·0	- 1·5	5	0·71	18	+ 6	Cheadle	—	—	—	5	20	—	—	—	—
c, West .. *p* Tenbury	313	61	14th	30	11th	51·9	36 4	43·8	- 1·0	4	0·53	13	+ 4	Tenbury ..	—	—	—	3	24	43·4	—	—	—
a Hereford	291	58	14th	30	11th	52 4	36 4	44 0	- 1·5	5	1·02	26	+16	Ross on Wye	3·1	—	23	4	25	43·9	—	43·5	—
a Clifton	225	58	15th	32	9th	52·0	37·9	44·6	- 1·9	5	1·19	30	+17	Clifton ..	3·2	—	23	2	28	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	63	14th	30	9, 10	53·0	37 0	44·6	+0·4	6	1·65	42	+32	Worthing ..	2·8	- 2·8	21	2	27	45 6	- 1·3	45·3	- 0·9
a Porton	340	65	14th	25	9th	54·7	36·9	45·4	—	6	1·55	39	—	Marlborough	2·9	- 1·5	22	3	25	44 8	—	44·5	—
a Wisley, Surrey.. ..	150	66	14th	31	10th	55·1	39·3	46·8	+1·2	5	0·89	23	+16	Porton.. ..	—	—	—	2	21	44·7	—	—	—
h Tunbridge Wells ..	354	68	14th	32	9th	53·9	40·1	46·7	+1·2	4	1·07	27	+18	Wisley, Surrey	4·0	- 0·9	30	4	21	45·0	- 0·3	43·5	- 1·4
h Margate..	51	66	14th	37	9th	53·1	43·0	47·8	+2·0	3	0·23	6	- 1	Tunbridge Wells	3·2	- 2·1	24	4	21	44 5	—	43·7	—
														Margate ..	4·4	- 0 9	33	0	34	45·6	- 0·3	44·7	- 0·9
t Dungeness	21	56	14th	33	9th	51·0	41 6	46·1	+1·1	2	0·55	14	+ 7	Folkestone ..	3·7	—	28	0	32	—	—	46.8	—
h St. Leonards	178	57	14th	35	9th	50·3	42.9	46·4	+0·6	3	0·66	17	+ 9	St. Leonards..	2·4	- 3·2	18	1	29	45·9	—	44·6	—
p Southampton	64	61	14th	31	9th	54·1	40·9	47·2	- 0·1	6	1·58	40	+31	Southampton	3·4	- 2·0	25	3	19	—	—	—	—
a Ventnor..	59	55	14th	36	9th	51·6	42·6	46·9	- 0·1	5	1·30	33	+24	Ventnor ..	3·5	- 2·2	26	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	68	14th	34	9, 10	54·7	41·0	47·5	+1·4	3	0·75	19	+12	Richmond	3·8	- 1·1	28	4	25	43·9	- 1·6	44·2	- 1·1
a Westminster	27	69	14th	36	9, 10	56·0	41·7	48·5	+1·5	4	0·63	16	+ 9	Westminster	3·9	- 0·1	29	3	28	—	—	—	—
*a*ᵍ Greenwich ..	149	70	14th	31	10th	56·7	39·6	47·7	+1·4	3	0·60	15	+ 8	Greenwich ..	4·6	0·0	34	4	26	—	—	—	—
a Hampstead	450	67	14th	32	10th	52·9	39·0	45·6	—	3	0·76	19	—	Hampstead ..	4·3	—	31	4	25	—	—	—	—
a Camden Square ..	110	69	14th	33	10th	55·7	40·7	47·8	+0·6	3	0·71	18	+10	Camden Square	—	—	—	3	27	43·3	—	43·1	—
7 *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	53	14, 15	29	9th	48·3	33·7	40·7	- 2 8	5	1·06	27	+14	Aspatria	5·0	+0·1	36	4	25	40·9	- 2·9	42·3	- 1·1
p Newton Rigg	559	56	15th	25	11th	48 6	31·9	39·9	- 2·7	5	1·56	40	+28	Newton Rigg	4·3	- 0·6	31	4	20	—	—	—	—
p Stonyhurst	375	55	15th	33	11th	49·4	35·4	42 1	- 1·4	4	1·05	27	+11	Stonyhurst ..	3·7	- 1 0	27	1	30	—	—	—	—
h Blackpool	66	57	15th	33	10, 11	50 0	37 7	43 6	- 0·6	4	0·81	21	+10	Blackpool ..	4·5	- 1·1	33	4	20	41 7	—	43 2	—
h Southport	37	58	15th	33	11th	50 4	37·9	43·9	- 0 6	5	0·76	19	+ 8	Southport ..	4·1	- 1·4	30	4	30	41 3	- 4·0	42·0	- 2·6
														Hoylake ..	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	56	14th	34	9, 10	49 9	37·0	43·1	- 2·0	5	0·61	15	+ 5	Liverpool	4·2	—	31	3	30	—	—	—	—
a Hawarden Bridge ..	22	57	14, 15	34	11th	51 6	38·6	44·8	- 1 0	5	0.85	22	+14	Manchester City	2·8	- 1·3	21	0	35	39·7	- 3·3	41·9	- 2·0
p Manchester Whit. Pk.)	125	58	15th	35	9th	52·6	38·3	45·1	- 0 4	6	0·73	19	+ 8	„ Whit. Pk.	2·6	- 1·1	19	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	56	14, 15	33	9, 10	50 3	37·7	43·7	- 1·9	6	1·22	31	+20	Llandudno ..	4·9	- 0·6	36	—	—	—	—	—	—
t Holyhead	15	56	14th	35	9, 10	50 1	38 4	44·0	- 1 2	6	1·51	38	+26	Holyhead ..	4 8	—	35	0	33	—	—	—	—
a Aberdovey	60	58	14th	37	9th	52·4	40·7	46.3	—	5	0·88	22	—	Aberdovey ..	5·5	+0·2	41	0	31	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	58	14th	35	11th	52·3	39·3	45·5	—	5	0·62	16	—	Aberystwyth	5·8	+0·4	42	—	—	—	—	—	—
a Rhayader	757	50	12, 15	26	11th	47·4	34·4	40·6	—	5	1·91	49	—	Rhayader ..	2·8	—	21	4	16	—	—	—	—
t Pembroke	149	53	11th	37	11th	49·6	41·6	45·4	- 0·1	5	0·85	22	+11	Pembroke ..	4·3	- 1·6	31	—	—	—	—	—	—
p Cardiff	202	55	14th	32	9th	51·7	37·6	44·3	- 1·3	5	1·06	27	+13	Cardiff ..	3·8	—	28	5	20	43·1	- 2·6	43·4	- 1·7
b, ENGLAND, S.W.																							
h Bath	66	62	14th	30	9, 10	54·6	38·7	46·3	+0·3	6	1·17	30	+19	Bath	3·5	- 1·8	26	—	—	44·8	—	44·5	—
a Shaftesbury	722	59	14th	32	9, 11	51·6	36·9	43·9	- 0·8	5	1·07	27	+16	Shaftesbury ..	—	—	—	—	—	44·4	—	44·0	—
a Arlington	613	55	13th	31	10th	50·7	37·0	43 5	- 1·2	5	1·85	47	+30										
h Newquay	190	57	14th	35	10th	51·4	41·0	46·0	- 0·8	5	1·35	34	+23	Newquay ..	4·3	- 1·6	31	—	—	47·1	—	47·2	—
a Cullompton	202	58	14th	30	9th	54·3	38·9	46·2	- 0·1	5	1·48	38	+26	Cullompton ..	3·8	- 1·4	28	3	18	46·4	—	—	—
t Portland Bill	19	53	14, 15	40	9,10,11	50 6	41·9	46·0	- 0·1	2	1·06	27	+18	Weymouth ..	3 9	—	29	—	—	—	—	—	—
p Plymouth	116	57	14th	36	9th	52·3	41·0	46·4	- 0·9	5	1·11	28	+16	Plymouth ..	3·5	- 2·3	26	1	27	46·9	- 0·8	46·9	—
h Falmouth	167	56	14th	37	9th	51·7	40·9	46·0	- 0·9	5	2·02	51	+37	Falmouth ..	3·4	- 2·7	25	1	29	48·4	—	48·6	—
9. IRELAND, N.																							
t Malin Head	71	47	11, 13, 15	34	10, 11, 12	44·9	35·4	39·9	- 4·4	7	1·38	35	+25	Malin Head ..	4·0	—	29	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	4	1·01	26	+11										
a, West .. *a* Mallarany ..	120	52	10th	32	10th	48·9	34·1	41·1	—	3	1·35	34	—	Mallarany ..	5·0	- 0·7	36	5	22	—	—	—	—
p Markree Castle.. ..	122	53	10th	29	9, 14	49·1	31·3	39·8	- 4·8	6	2·20	56	+42	Markree Castle	4·5	—	33	6	22	44·3	- 1·9	45·1	0 0
p Armagh	204	51	11, 4, 15	23	10th	48·4	31·6	39·6	- 4·9	4	1·77	45	+34	Armagh ..	2·7	- 2·3	20	6	19	42·3	- 2·8	43·9	- 0·8
b, East .. *t* Donaghadee ..	35	52	13th	32	10th	47·7	36·7	41·9	- 2·8	5	2·02	51	+40										
														Trinity Coll.	—	—	—	5	25	43·3	- 2·8	44·8	- 1·2
10. IRELAND, S.														Phœnix Park	3·9	- 1·7	28	7	21	—	—	—	—
p Dublin City	54	53	14th	31	10th	49·0	35·7	42·0	- 4·5	5	1·25	32	+22	Dublin City ..	—	—	—	4	26	—	—	—	—
t Birr Castle	175	54	14th	26	10th	49·6	32·3	40·5	- 4·4	4	1·15	29	+18	Birr Castle ..	3·9	- 1·3	29	6	20	—	—	—	—
a Kilkenny	195	56	11th	27	10th	50·3	31·7	40·6	- 4·8	4	1·12	29	+18										
a Waterford	137	55	11th	33	12th	50·3	36 7	43 2	- 3·1	6	2·02	51	+38										
p Seskin, Carrick-on-Suir	542	55	9th	31	12th	49·6	33·1	41·0	—	5	2·34	59	—	Seskin ..	3·5	—	26	6	22	—	—	—	—
a Foynes	50	56	10th	30	10th	51·3	35·0	42·8	- 3·6	4	1·05	27	+14										
t Cahirciveen (Val. Obs.)	30	54	14th	35	10, 12, 13	49·1	37·3	42·9	- 4·0	5	1·58	40	+21	Cahirciveen ..	3·9	- 1·5	29	1	30	—	—	—	—
z Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	4·0	- 1·7	30	—	—	—	—	—	—
t Roche's Point	32	53	11th	34	13th	49 7	37·9	43·5	- 3·0	6	1·93	49	+35										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	63	14th	39	9th	54·0	44·4	49·0	+0 8	5	0·87	22	+12	St. Heliers ..	3·3	- 3·1	24	—	—	—	—	—	—
p Guernsey† ..	173	60	14th	42	9,10,11	53·0	45·0	48·8	+0·5	5	1·14	29	+18	Guernsey ..	3·7	- 2·6	28	0	33	48·1	- 0·4	47·4	- 0·5

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 15th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																					
**Deerness (Cup Anr.) ..	188	16	5	—	0	8, 14	7	70	79	12	0	70	30	13	14	23	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	2	93	73	0	170	13	6	15	13	30	14	15	13	20
Aberdeen (Cup Anr.) ..	120	72	12	—	0	13	1	23	111	33	0	320	25	11	13	11	—	—	—	—	—
Edinburgh	485	39	31	15	2	15	4	42	87	33	0	190	43	19	15	13	65	29	15	13	10
6 SCOTLAND, W.																					
Eskdalemuir	825	50	22	15	5	15	5	34	73	51	0	190	42	19	15	10	62	28	15	9	50
Paisley	188	81	15	—	0	15	1	33	91	43	0	200	25	11	15	15	49	22	14	13	5
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	15	3	36	80	49	0	190	28	12	15	12	51	23	15	10	25
South Shields	72	61	12	—	0	13, 15	4	81	57	26	0	290	26	12	13	14	46	21	15	11	29
Spurn Head	67	41	‡	—	0	12 to 15	36	89	41	2	0	170	38	17	15	20	52	23	15	7	55
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	12, 13, 15	33	95	32	8	0	210	33	15	15	14	47	21	15	13	0
Shoeburyness	103	90	‡	15	2	12 to 15	45	74	37	3	7	200	39	17	15	13	54	24	12	21	40
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	15	3	12, 14, 15	28	39	74	24	0	200	40	18	15	17	60	27	15	16	45
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	12	5	64	75	10	14	—	27	12	12	21	47	21	12	20	40
Larkhill, S'y Plain ..	513	63	43	15	6	12 to 15	40	47	71	4	0	220	44	20	15	16	59	26	15	15	55
Richmond (Kew Obs.) ..	82	65	22	—	0	15	8	51	79	30	0	190	29	13	15	17	53	24	15	17	10
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	12 to 15	23	45	88	12	0	300	36	16	13	1	—	—	—	—	—
Southport	80	62	48	—	0	12 to 15	28	48	85	7	0	290	34	15	12	24	58	26	15	7	25
Holyhead	60	40	‡	—	0	12, 14, 15	36	41	75	16	0	160	37	17	14	23	60	27	{14 / 15	23 / 0	20 / 25
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	12, 14, 15	25	10 to 15	55	22	42	19	5	—	49	22	14	21	67	30	14	18	50
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	0	15	4	46	52	66	0	—	28	13	15	14	50	22	15	13	10
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	14, 15	20	49	68	31	0	290	37	16	15	22	—	—	—	—	—
Quilty	100	40	‡‡	—	0	13 to 15	34	36	85	13	0	—	33	15	14	16	51	23	13	10	30
Cahirciveen (Val. Obs.) ..	98	41	‡‡	15	1	14, 15	28	20	85	34	0	350	38	17	15	15	60	27	15	15	30
Weaver Pt.	160	30	‡‡	—	0	14	14	51	81	6	16	—	37	17	14	11	58	26	14	7	50
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	14, 15	17	10, 12, 14	46	26	22	57	0	300	47	21	15	13	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡ Standard mounting.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTEENTH WEEK of 1922—April 9th to April 15th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.	hr.	hr.	%	mb.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.									
0. SCOTLAND, NORTH ..	50	26	44·5	33·1	38·5	− 3·3	7	− 14	32	+10	5	0	1·21	31	+ 9	5·1	+0·8	37	1000
Eastern.																			
1. SCOTLAND, EAST ..	52	19	45·6	31·3	38·1	− 4·2	10	− 18	37	+14	5	+ 1	1·48	38	+25	3·4	− 1·2	25	1000
2. ENGLAND, N.E. ..	63	27	50·4	36·2	42·9	− 0·7	23	− 6	16	+ 1	4	0	0·84	21	+11	5·0	+0·1	37	1001
3. ENGLAND, EAST ..	70	26	53·6	38·7	45·8	+1·0	36	− 1	9	− 5	3	0	0·57	14	+ 4	5·8	+0·7	43	1004
4. MIDLAND COUNTIES	67	27	51·9	36·4	43 8	− 0·9	28	− 11	16	0	5	+ 2	0·91	23	+13	3·2	− 1·5	23	1001
5. ENGLAND, S.E. ..	68	25	53·2	40 5	46·5	+0·6	36	− 4	4	− 6	4	+ 1	1·02	26	+17	3.4	− 1·8	25	1003
Western.																			
6. SCOTLAND, WEST ..	52	24	48·1	33·6	40·5	− 3·4	17	− 14	28	+13	4	0	1·95	50	+34	—	—	—	999
7. ENGLAND, N.W. ..	58	25	50·1	36 5	43·0	− 1·5	22	− 10	15	+ 3	5	+ 2	1·04	27	+15	4·6	− 0·4	34	998
8. ENGLAND, S.W. ..	62	26	51·5	38·9	44·9	− 1·0	29	− 9	9	+ 1	5	+ 2	1·36	35	+22	3 9	− 1·6	29	1000
9. IRELAND, NORTH ..	54	23	47·9	33·5	40 3	− 4·5	17	− 17	28	+17	5	+ 1	1·59	40	+27	3 6	− 1·5	26	998
10. IRELAND, SOUTH ..	56	26	49·9	35·2	42·2	− 3·9	20	− 20	19	+11	5	+ 1	1·44	37	+23	3·9	− 1·6	29	998
11. ENGLISH CHANNEL..	63	39	53·5	44·7	48·9	+0·8	48	+ 4	0	− 1	5	+ 2	1·01	26	+16	3·5	− 2·8	26	1000
MEAN: DISTRICTS 1-10	70	19	50·2	36·1	42·8	− 1·8	24	− 11	18	+ 5	5	+ 1	1·21	31	+19	4·1	− 1·0	30	1000

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, February 26th to April 15th, 1922.

0. SCOTLAND, NORTH ..	59	21	45·0	33·7	39·1	− 0·8	57	− 40	198	0	31	− 3	5·29	135	− 31	3·6	+ 0 2	30	1007
Eastern.																			
1. SCOTLAND, EAST ..	57	15	45·0	32·4	38·5	− 1·5	61	− 62	231	+10	30	+ 1	4·05	104	+11	3·7	− 0·1	30	1008
2. ENGLAND, N.E. ..	63	23	46 0	34·5	40·1	− 1 3	83	− 63	176	+ 8	30	+ 3	3 26	83	+13	3·5	− 0 7	29	1008
3. ENGLAND, EAST ..	70	22	47·3	35·9	41·4	− 0·6	117	− 66	146	− 26	28	+ 4	3·21	80	+14	4·0	− 0·3	33	1009
4. MIDLAND COUNTIES	67	22	46·7	34·4	40·3	− 1·6	97	− 95	179	− 3	31	+ 7	4·79	122	+49	2·9	− 0·9	24	1008
5. ENGLAND, S.E. ..	68	20	47·9	37·2	42·3	− 0·8	133	− 62	118	− 13	28	+ 4	4·92	125	+50	3·5	− 0·8	28	1009
Western.																			
6. SCOTLAND, WEST ..	62	20	47·7	33·6	40·4	− 1·2	114	− 23	193	+38	22	− 7	4·63	118	− 18	—	—	—	1008
7. ENGLAND, N.W. ..	58	23	46 4	35·6	40·9	− 1·2	91	− 58	147	+ 7	25	− 1	3·82	98	+ 1	4·2	+ 0·2	34	1008
8. ENGLAND, S.W. ..	62	20	47·6	36·8	42·0	− 1·4	120	− 70	121	+12	31	+ 5	6·70	172	+59	4·2	− 0·1	34	1009
9. IRELAND, NORTH ..	58	23	47·7	35·3	41.3	− 1·4	116	− 49	151	+23	27	− 5	4·14	105	− 8	4·7	+ 0·9	39	1007
10. IRELAND, SOUTH ..	58	25	49·1	36 8	42·7	− 1·4	145	− 66	111	+14	26	− 2	4·16	105	− 14	4·6	+ 0·4	37	1008
11. ENGLISH CHANNEL..	63	31	50·1	41·8	45·8	− 0·2	212	− 21	24	− 11	35	+ 7	6·72	171	+78	3·7	− 1·4	31	1008
MEAN: DISTRICTS 1-10..	70	15	47·1	35·3	41·0	− 1·2	108	− 61	157	+ 7	28	+ 1	4·36	111	+16	3·9	− 0·2	32	1008

THE YEAR. Aggregates, &c., for the Period of 15 Weeks, January 1st to April 15th, 1922.

0. SCOTLAND, NORTH ..	59	18	43·5	33·9	38·6	− 0·3	73	− 77	429	− 54	71	− 4	13.93	355	− 62	2·3	0·0	23	1005
Eastern.																			
1. SCOTLAND, EAST ..	60	8	42·6	32·2	37·4	− 1·1	71	−108	556	+ 1	69	+ 8	9·29	237	+30	2·5	− 0·3	25	1007
2. ENGLAND, N.E. ..	63	12	43 9	33·6	38·8	− 1·0	124	− 92	463	+22	65	+ 8	7·65	195	+48	2·6	− 0·5	26	1009
3. ENGLAND, EAST ..	70	16	45·4	34·6	40·0	0·0	179	− 80	393	− 72	61	+ 6	8·44	213	+68	3·0	− 0·1	29	1010
4. MIDLAND COUNTIES	67	11	45·1	33·5	39·3	− 0·7	159	−118	449	− 35	67	+12	10 04	254	+ 87	2·3	− 0·5	22	1009
5. ENGLAND, S.E. ..	68	17	46·7	36·3	41·5	+ 0·2	227	− 68	284	− 79	65	+11	10·25	261	+85	2·8	− 0·3	27	1010
Western.																			
6. SCOTLAND, WEST ..	62	15	45·3	34·3	39·7	− 0·6	153	− 60	394	+ 9	66	− 1	15·19	386	+46	—	—	—	1007
7. ENGLAND, N.W. ..	61	20	45·2	35·5	40·4	− 0·4	154	− 75	329	− 34	63	+ 4	10·42	266	+37	3·0	+ 0·2	29	1008
8. ENGLAND, S.W. ..	62	13	47·2	37·0	42·0	− 0·1	242	− 74	238	− 50	70	+10	13·99	358	+88	3·0	− 0·1	29	1009
9. IRELAND, NORTH ..	58	22	47·0	36·7	41·8	+ 0·2	229	− 44	247	− 74	73	+ 2	12·60	320	+54	3·3	+ 0·6	32	1006
10. IRELAND, SOUTH ..	60	23	48·7	38·0	43·3	+ 0·2	315	− 56	179	− 70	69	+ 4	12·69	321	+30	3·3	+ 0·2	31	1008
11. ENGLISH CHANNEL..	63	28	49·7	42·0	45·9	+ 0·9	456	+30	50	− 55	77	+11	12·82	326	+ 99	3·0	− 0·7	28	1010
MEAN: DISTRICTS 1-10 ..	70	8	45·7	35·2	40·4	− 0·3	185	− 77	353	− 38	67	+ 6	11·05	281	+57	2·9	− 0·1	28	1008
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
21st April, 1922.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 16.

SIXTEENTH WEEK.

SUNDAY, APRIL 16TH, TO SATURDAY, APRIL 22ND, 1922.

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METEOROLOGICAL OFFICE LIBRARY 11 MAY 1922

I.—GENERAL SUMMARY. [First published in 1878.]

With the exception of the first and last days of the week the weather over the British Islands was influenced by a large anticyclonic belt extending from Scandinavia to Madeira, and fine bright weather prevailed in most parts of the country. On Saturday a depression was formed over England, the weather became unsettled and rainy in most places and snow and hail showers were reported at a number of stations. There were several good records of sunshine during the week, the largest amounts being recorded generally on Wednesday when more than 13 hours were registered in various parts of Great Britain. The amount of sunshine for the week was above the normal at nearly all stations, the departure from normal being as much as +3·5 hours a day at Douglas, Blackpool and Aberdovey. On the other hand in smoky places there was a deficiency, —1·7 hours a day at Manchester and —0·7 hours at Sheffield. Mean temperature was below the normal, the deficit being about 3°F. in most districts. Few maximum temperatures as high as 60° were recorded, the actual highest being 62°F. at Fort William and Killarney. The night temperatures were again low for the time of year, the screen minima on one or two nights falling considerably below the freezing point in many parts of the country, while the grass thermometer registered readings below 20°F. at a number of stations. The mean daily range of temperature for the week was in several instances above 20°F., notably in Scotland. The total rainfall for the week was less than the normal in all districts with the exception of England E. and the English Channel. Amongst the largest measurements were 12mm. at Tenby, 11mm. at Jersey, 10mm. at Little Massingham (Norfolk) and 7mm. at Marlborough and also Kilkenny on the 16th, 12mm. at Blacksod Point and 9mm. at Cahirciveen (Valencia Observatory) on the 19th, 12mm. at Huddersfield, 8mm. at Buxton and 7mm. at Rounton (N. Riding) on the 22nd. Solar halos were observed at Aberdeen, Newquay and Falmouth on the 20th. A sun pillar was seen at Oxford from 18h. to 19h. on the 17th. The Zodiacal Light was witnessed at Oxford on the 17th, 19th and 22nd, at Ross-on-Wye on the 16th, 19th and 22nd, and at Tenbury (Worcester) on the 22nd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	13	11	4·8	4	2	0·9	5	8	3·7	6	8	3·7	2	4	1·8	1	3	1·2	5	6	2·7	7	11	4·8
North	15	20	8·8	17	8	3·5	23	12	5·4	19	10	4·3	24	10	4·5	21	13	6·0	15	8	3·5	13	11	5·0
West	11	8	3·5	11	7	3·3	4	10	4·5	7	5	2·4	17	7	3·2	13	11	4·9	15	12	5·4	12	8	3·4
East	16	6	2·8	9	4	1·7	24	8	3·7	6	3'	1·4	4	3	1·5	7	2	0·9	8	4	2·0	7	3	1·5
Calm (or wind-speed < 4 m.p.h.)	0	—	—	7	—	—	0	—	—	3	—	—	1	—	—	6	—	—	5	—	—	7	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ..	Light	Light	Light	Moderate	Moderate	Moderate	Light	Light	Light	Moderate	Light	Moderate
	Sunshine ..	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	—	Very Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 8 weeks from Feb. 26th, 1922.	Warmth ..	3, 1, 4	2, 1, 5	2, 2, 4	2, 2, 4	1, 3, 4	1, 3, 4	2, 1, 5	2, 2, 4	1, 3, 4	1, 2, 5	1, 2, 5	1, 3, 4
	Rainfall ..	2, 1, 5	2, 4, 2	3, 2, 3	4, 3, 1	4, 3, 1	4, 3, 1	2, 1, 5	2, 4, 2	5, 1, 2	1, 5, 2	2, 2, 4	5, 2, 1
	Sunshine ..	4, 3, 1	3, 3, 2	1, 4, 3	2, 3, 3	1, 4, 3	1, 4, 3	—	3, 5, 0	3, 4, 1	5, 2, 1	4, 3, 1	1, 2, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal						Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	46	181920	34	17th	44·7	37·1	40·7	- 0·8	4	0·11	3	- 9										
p Deerness, Orkney	165	51	22nd	32	17th	45·9	35·9	40·7	- 1·7	3	0·09	2	- 9	Deerness	6·3	+1·1	43	—	—	—	—	—	—
a Islands — *t* Stornoway	51	—	—	29	18th	—	36·1	—	—	—	—	—	—	Stornoway	—	—	—	—	—	—	—	—	—
t Castlebay, Barra I.	37	50	20th	38	16, 17, 18	46·7	40·9	43·7	—	5	0·28	7	—	Castlebay	8·4	—	58	—	—	—	—	—	—
t Wick	81	49	21st	30	20th	45·1	36·0	40·3	- 2·8	2	0·05	1	- 10										
a Strathpeffer	125	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland. — *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	59	22nd	25	18th	51·7	30·3	40·5	- 3·5	1	0·06	2	- 12										
p Fort William	171	62	20th	26	18th	52·0	33·4	42·3	- 2·8	2	0·20	5	- 18										
1. SCOTLAND, E.																							
t Nairn	82	56	19th	28	19th	50·1	32·7	41·0	- 3·0	2	0·08	2	- 6	Nairn	7·7	—	53	—	—	—	—	—	—
p Gordon Castle	101	60	21st	33	19, 20	50·0	35·4	42·4	- 1·9	3	0·15	4	- 5	Gordon Castle	6·1	—	42	—	—	—	—	—	—
t Aberdeen	46	47	18th	29	19th	45·0	35·0	39·8	- 4·0	3	0·13	3	- 7	Aberdeen	5·8	+0·5	40	3	20	—	—	41·5	- 0·9
a Balmoral	930	56	20th	24	19th	48·0	29·9	38·5	- 2·4	4	0.47	12	+ 1	Balmoral	—	—	—	5	19	—	—	—	—
p Crieff	432	56	19, 20	28	19th	51·6	31·6	41·1	- 3·7	1	0·07	2	- 9	Crathes	6·4	+1·4	44	5	22	40·2	—	40·2	—
a Dundee	244	53	19th	26	19th	49·7	31·6	40·2	- 4·1	1	0·03	1	- 8	Dundee	6·8	—	47	5	21	42·1	—	—	—
t Inchkeith (F. of Forth)	190	49	19th	34	19th	46·9	36·9	41·7	—	1	0·08	2	—	Inchkeith (F. of Forth)	7·3	—	51	1	24	—	—	—	—
p Edinburgh	441	50	21st	32	18th	46·7	34·9	40·5	- 3·5	1	0·06	2	- 5	Edinburgh	6·5	+1·8	45	4	18	—	—	—	—
a West Linton	769	57	19, 20	20	19th	50 7	28·7	39·2	- 2·2	3	0·11	3	—	West Linton	—	—	—	5	15	—	—	—	—
a Marchmont	498	56	21st	30	19th	48·0	33·0	40·1	- 3·3	1	0·04	1	- 10	Marchmont	5·1	+0·2	35	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	55	20th	25	18th	51.1	31·6	40·9	—	2	0·13	3	—	Ford (Argyll)	—	—	—	6	22	42·5	—	42·2	—
t Renfrew	49	61	20th	25	19th	53·0	31·7	41·8	—	1	0.02	1	—	Renfrew	7·7	—	53	5	17	—	—	—	—
p Rothesay	200	56	20th	32	18th	50.1	35·0	42·2	- 3·4	3	0·12	3	- 13	Rothesay	8·3	—	58	5	25	43·4	—	43·6	- 0·8
a Kilmarnock	90	56	21st	28	18th	52·9	32·9	42·4	- 2·1	2	0.13	3	- 9	Kilmarnock	8·5	—	59	—	—	43·2	—	43·2	—
a Colmonell	170	56	21st	29	18th	53·1	34·9	43·6	- 1·2	2	0·20	5	- 8	Colmonell	—	—	—	3	26	—	—	—	—
p Dumfries	160	58	20th	28	19th	52·3	33·3	42·3	- 3·2	2	0·15	4	- 8	Dumfries	9·5	—	66	5	20	43·7	- 1·3	42·7	- 1·3
t Eskdalemuir	794	60	20th	20	19th	50·9	28·3	39·1	—	1	0·02	1	—	Eskdalemuir	7·7	—	53	5	15	—	—	—	—
b, I. OF MAN *h* Douglas	284	57	20th	33	20th	50·3	36·4	43·0	- 2·4	2	0·15	4	- 9	Douglas	9·6	+3·5	68	4	27	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	50	21st	27	19th	46·7	33·1	39·6	- 4·3	1	0·10	3	- 7	Cockle Park	6·1	+1·3	43	5	21	40·6	- 2·8	41·7	- 1·3
t Tynemouth	118	48	20, 21	32	18th	45·1	35·6	40·1	- 4·0	2	0·21	5	- 3	Tynemouth	—	—	—	4	27	—	—	—	—
p Durham	336	55	21st	28	20th	47·4	32·6	39·6	- 4·5	3	0·24	6	- 2	Durham	5·4	+0·8	37	5	18	—	—	—	—
a North — *p* Rounton	249	57	21st	30	21st	49.3	33·3	40 9	- 3 0	3	0·39	10	+ 1	Rounton	—	—	—	6	17	42·4	—	—	—
a West Witton	605	59	20th	27	19th	49·4	33·3	41·0	—	2	0·31	8	—	West Witton	—	—	—	6	23	41·4	—	39·8	—
h Scarborough	118	50	21st	35	20th	46·7	38 6	42·5	- 2·5	2	0·05	1	- 7	Scarborough †	5·0	- 0·2	35	—	—	—	—	44·5	—
p York	56	57	20, 21	31	19th	51·0	35·0	42·6	- 3·5	3	0·22	6	- 3	York	6·0	+1·5	42	—	—	44·0	- 1·2	43·2	- 0·8
t Spurn Head	26	51	21st	36	20th	47·6	38·7	42·9	- 2·2	2	0·03	1	- 5	Spurn Head	6·3	—	44	—	—	—	—	—	—
b, South — *a* Lincoln	58	57	20th	32	181920	50·9	35·0	42·6	- 3·9	3	0·18	5	- 2	Lincoln	—	—	—	5	28	44·3	- 1·4	43·7	- 0·5
t Cranwell	237	56	20th	28	20th	49·1	33·0	40·7	- 5·6	2	0·17	4	- 4	Cranwell	6·3	+0·9	45	4	21	—	—	—	—
														Skegness	7·8	+2·1	55	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	49	20, 21	33	22nd	47·0	37·6	42·1	- 3·1	3	0·18	5	0	Cromer	6·9	+1·2	49	—	—	—	—	—	—
a Little Massingham	277	52	21st	34	19, 22	47·7	36·3	41·7	- 3·3	4	0·63	16	+ 9	Lit Massingham	8·5	+3·1	61	—	—	—	—	—	—
t Yarmouth	13	51	16th	36	20th	47·0	39·3	43 0	- 1 9	3	0·17	4	- 3	Yarmouth	7·4	—	53	1	29	46·6	- 1·1	46·3	- 0·5
a Norwich	93	52	21st	30	22nd	49·0	37·2	42·8	- 3.1	3	0·42	11	+ 4	Norwich	7·3	—	52	3	23	45·9	—	—	—
a Geldeston	37	53	19th	25	22nd	49·7	34 9	41·9	- 3 6	2	0·05	1	- 5	Geldeston	6·8	+1·1	48	—	—	—	—	—	—
p Cambridge	41	57	20th	31	21st	50·7	35·9	42·9	- 3·5	4	0·33	9	+ 3	Cambridge	5·9	+0·3	43	1	30	46·8	- 0·6	45·8	- 0·5
t Clacton-on-Sea	54	54	19th	34	21st	48 9	39·0	43·7	- 1·8	3	0·13	3	- 3	Clacton-on-Sea	7·4	+1·2	53	1	29	46·6	- 0·6	46·5	- 0·5
a Rothamsted	420	54	20th	30	21st	48·6	35·0	41·5	- 4·0	5	0·47	12	+ 5	Rothamsted	5·8	- 0·4	41	4	18	43·9	—	—	—
p Tottenham	51	—	—	33	20th	—	37·7	—	—	2	0·31	8	—	Tottenham	6·0	—	43	—	—	—	—	—	—
														Southend	5·8	—	42	0	32	46·3	—	—	—
4. MIDLAND COUNTIES.																							
North — *h* Harrogate	479	56	20th	31	171921	49·1	33·0	40·7	- 3·4	3	0·36	9	+ 1	Harrogate	6 0	+0·8	42	5	26	41·9	- 1·8	43·7	+0·3
p Sheffield	429	54	19, 21	33	21st	49·1	35·3	41·9	—	3	0·38	10	—	Sheffield	4·0	- 0·7	28	5	27	41·1	- 3·2	41·2	- 1·7
p Buxton	987	53	21st	27	21st	46·7	32·4	39·2	- 3·7	3	0·49	13	0	Buxton	3·9	—	28	5	21	40·6	- 3·0	40 2	- 2·0
a Worksop	56	57	19, 21	30	20, 21	51·9	33·9	42·5	- 3·3	3	0·37	9	+ 2	Worksop	4·8	+0·2	34	5	24	45·4	—	44·2	—
t Nottingham	82	55	20, 21	30	20th	49 9	35·9	42·6	- 3·4	3	0·35	9	+ 2	Nottingham	5·1	+0·1	36	4	27	43·5	- 1·9	42·1	- 1 2
b, East — *p* Birmingham, Edgbsn.	525	55	20th	33	18th	49·7	36·1	42.6	- 3 2	2	0·21	5	- 3	Birmingham	4·5	+0·5	32	4	22	41·9	- 1·9	43·9	- 0·7
a Raunds	213	56	20, 21	29	20th	50·0	35·1	42·2	- 4·1	3	0·39	10	+ 3	Raunds	5·5	—	39	3	25	45·4	—	—	—
p Oxford	208	57	20th	32	20th	51·6	36·1	43·5	- 3·5	2	0·22	6	- 1	Oxford	6·1	+0·9	44	4	26	—	—	—	—
														Malvern	6·5	—	46	3	30	44·6	—	44·1	—
a Cheadle (N. Staffs.)	646	55	20, 21	31	17, 18	50·3	33·9	41·7	- 3·0	3	0·07	2	- 7	Cheadle	—	—	—	6	19	—	—	—	—
s, West — *p* Tenbury	313	59	20th	29	18, 21	52·0	34·0	42·6	- 3·3	2	0·06	2	- 5	Tenbury	—	—	—	5	25	45·0	—	—	—
a Hereford	291	58	20th	32	20th	51·7	35·4	43·2	- 3·5	2	0·06	2	- 6	Ross on Wye	6·6	—	47	3	27	45·1	—	45·0	—
a Clifton	225	58	20th	36	20th	50·6	40·6	45·4	- 2·4	2	0·14	4	- 5	Clifton	—	—	—	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	56	19, 20	26	20th	50·6	34·4	42·1	- 3·1	3	0·44	11	+ 1	Worthing	7·0	+0·8	51	2	28	47·5	- 1·0	46·6	- 0·4
a Portou	340	57	19, 20	24	20th	51·9	33·6	42·3	—	3	0·24	6	—	Marlborough	5·8	+0·9	42	4	22	45·4	—	45·5	—
a Wisley, Surrey	150	57	19, 20	28	20th	51·4	35·4	43·0	- 3·6	4	0·48	12	+ 5	Porton	—	—	—	3	18	45·8	—	—	—
h Tunbridge Wells	354	57	19th	30	21st	51·4	36·0	43·3	- 3·2	4	0·21	5	- 4	Wisley, Surrey	4·7	- 0·7	34	5	18	45·8	- 0·9	45·3	- 0·4
h Margate	51	52	16th	38	20, 21	47·3	40·7	43·8	- 3·0	4	0·07	2	- 5	Tunbridge Wells	5·7	- 0·1	41	4	19	47·1	—	45·6	—
														Margate	6·1	+0·4	44	0	36	47·6	+0·5	46·8	+0·4
t Dungeness	21	53	19th	32	21st	50·0	38·3	43·9	- 2·1	3	0·20	5	- 2	Folkestone	7·8	—	56	2	30	—	—	46.9	—
h St. Leonards	178	54	19th	34	20th	49·7	38.6	43·9	- 2·9	4	0·29	7	- 1	St. Leonards	6·5	+0·3	47	2	30	47·8	—	45·8	—
p Southampton	64	59	19, 20	33	18th	53·3	38·3	45·4	- 2·9	3	0·26	7	- 2	Southampton	6·5	+0·6	47	3	22	—	—	—	—
a Ventnor	59	58	19th	35	18th	52·1	39·4	45·5	- 2·4	2	0·24	6	- 2	Ventnor	6·7	+0·6	48	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	56	20th	31	20th	50·5	37·3	43·6	- 3·5	3	0·35	9	+ 2	Richmond	5·3	- 0·1	38	4	21	46·2	- 0·7	45·7	- 0·3
a Westminster	27	58	20th	32	20th	52·1	38·0	44·7	- 3·3	4	0·40	10	+ 3	Westminster	5·2	+0·8	37	3	26	—	—	—	—
*a*g Greenwich	149	59	19th	31	20th	53·0	36·6	44·4	- 3·0	4	0·40	10	+ 3	Greenwich	5·4	+0·2	38	3	22	—	—	—	—
a Hampstead	450	55	20th	30	20th	49·9	35·4	42·3	—	3	0·35	9	—	Hampstead	5·8	—	42	5	24	—	—	—	—
a Camden Square	110	60	20th	32	20th	52·7	38·3	45·2	- 3·2	4	0·35	9	+ 1	Camden Square	—	—	—	1	30	44·6	—	44·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	54	20th	26	19th	48·7	32·9	40·4	- 4·4	1	0.10	3	- 8	Aspatria	8·4	+3·0	59	4	20	42·9	- 2·5	42·9	- 1·2
p Newton Rigg	559	59	20th	25	19th	50·4	32·1	40·8	- 3·1	2	0·14	4	- 6	Newton Rigg	6·0	+0·6	42	5	18	—	—	—	—
p Stonyhurst	375	55	19, 20	29	19th	50·7	35·6	42·8	- 2·1	2	0·06	2	- 11	Stonyhurst	6·0	+0·8	43	2	24	—	—	—	—
h Blackpool	66	52	20, 21	29	19th	49·9	36·7	43 0	- 2·5	2	0·12	3	- 6	Blackpool	9·6	+3·5	68	4	24	44·3	—	43·9	—
h Southport	37	51	20, 21	29	19th	48·8	36·9	42·6	- 3·2	2	0·20	5	- 4	Southport	8·7	+2·7	61	4	24	45·8	- 1·5	44·1	-1·7
														Hoylake	8·9	+3·3	63		—	—	—	—	—
t Liverpool (Bidston)	188	52	20th	34	19th	48·7	38·4	43·3	- 3·1	3	0·20	5	- 3	Liverpool	8·6	—	60	3	28	—	—	—	—
a Hawarden Bridge	22	57	19th	32	19th	51·0	37·7	44·0	- 3·1	3	0.13	3	- 4	Manchester City	2·9	- 1·6	21	0	34	41·8	- 2·7	42·8	- 1·9
p Manchester (Whit. Pk.)	125	58	20th	34	21st	51·6	37·0	44·0	- 2·9	3	0·15	4	- 5	„ Whit. Pk.	2·5	- 1·7	18	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	54	21st	33	18, 19	49.1	37·4	43·0	- 3·9	1	0·06	1	- 8	Llandudno	9·5	+3·4	67	—	—	—	—	—	—
t Holyhead	15	54	21st	37	19th	49·9	40 0	44·7	- 1·6	1	0·01	0·3	- 10	Holyhead	9 4	—	66	0	34	—	—	—	—
a Aberdovey	60	53	181921	35	18, 19	51·4	38·4	44·6	—	1	0·11	3	—	Aberdovey	9·4	+3·5	66	3	26	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	21st	31	18th	48·3	36·3	42·0	—	1	0·06	2	—	Aberystwyth	8·5	+3·0	60	—	—	—	—	—	—
a Rhayader	757	56	20th	27	19th	49·0	32·4	40·3	—	3	0·29	7	—	Rhayader ..	8·3	—	59	5	17	—	—	—	—
t Pembroke	149	52	20, 21	36	18, 19	49·9	38·9	44·1	- 2·0	3	0·16	4	- 6	Pembroke ..	7·9	+2·0	57	—	—	—	—	—	—
p Cardiff	202	58	21st	36	17, 18, 19	53·0	37·9	45·1	- 1·4	1	0·04	1	- 11	Cardiff ..	7·5	—	54	5	23	45·2	- 2·1	44·4	- 1·4
b, ENGLAND, S.W.																							
h Bath	66	59	20th	32	20th	52·7	37·6	44·8	- 2·2	2	0·18	5	- 5	Bath	6·6	+1·1	47	—	—	47·1	—	45·9	—
a Shaftesbury	722	56	20, 21	32	18th	50·9	36·1	43·1	- 2·5	3	0·36	9	- 1	Shaftesbury ..	—	—	—	—	—	44·8	—	44·9	—
a Arlington	613	56	21st	29	18th	49·9	35·1	42·1	- 3·4	2	0·38	10	- 5										
h Newquay	190	50	20, 21, 22	33	19th	48·2	38·3	43·0	- 4·5	2	0·14	4	- 5	Newquay ..	7·4	+1·5	53	—	—	47·6	—	47·9	—
a Cullompton	202	59	20, 21	31	18, 20	53·7	35·6	44·2	- 2·9	2	0·22	6	- 5	Cullompton ..	7·1	+1·8	51	5	19	47·1	—	—	—
t Portland Bill	19	—	—	—	—	—	—	—	—	—	—	—	—	Weymouth ..	8·7	—	63	—	—	—	—	—	—
p Plymouth	116	58	21st	34	18th	53·0	38·6	45·5	- 2·6	3	0·14	4	- 7	Plymouth ..	7·8	+1·9	56	3	26	47·1	- 2·1	47·4	—
h Falmouth	167	56	20th	35	18th	51·9	39·4	45·4	- 2·2	3	0·31	8	- 4	Falmouth ..	7·6	+1·4	55	2	26	48·2	—	49·2	—
9. IRELAND, N.																							
t Malin Head	71	56	19th	34	18th	48·0	38·1	42·8	- 2·8	3	0·28	7	- 4	Malin Head ..	7·0	—	49	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	38	16, 17	—	42·1	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	55	18, 20, 21	34	17th	53·0	38·7	45·5	—	3	0·88	22	—	Mallarany ..	6·7	—	47	2	27	—	—	—	—
p Markree Castle.. ..	122	57	19th	26	18th	53·1	34·9	43·6	- 2·3	5	0·46	12	- 3	Markree Castle	6·7	+1·8	47	5	23	46·2	- 1·6	45·4	- 0·3
p Armagh	204	55	19, 22	29	18th	51·3	34·3	42·4	- 3·6	4	0·27	7	- 5	Armagh ..	6·7	+1·9	47	5	22	44·3	- 2·3	44·3	- 1·2
b, East .. *t* Donaghadee	35	54	21st	30	18th	49·1	36·4	42·5	- 3·5	2	0·10	3	- 9										
														Trinity Coll. Phœnix Park	— 7·1	— +1·8	— 50	3 4	28 21	45·1 —	- 2·5 —	45·1 —	- 1·6 —
10. IRELAND, S.																							
p Dublin City	54	54	22nd	34	17, 18	51·3	37·6	44·1	- 3·8	3	0·05	1	- 9	Dublin City ..	—	—	—	3	28	—	—	—	—
t Birr Castle	175	58	19th	31	18th	52·7	36·4	44·2	- 2·1	4	0·24	6	- 5	Birr Castle ..	5·5	+0·7	39	4	23	—	—	—	—
a Kilkenny	195	58	19th	30	19th	52·3	34·1	42·8	- 4·0	3	0·42	11	0										
a Waterford	137	54	18, 19, 20	33	17th	52·0	36·3	43·8	- 3·9	3	0·09	2	- 11										
p Seskin, Carrick-on-Suir	542	55	18, 19	32	19th	51·4	35·9	43·3	—	4	0·16	4	—	Seskin ..	5·2	—	37	4	24	—	—	—	—
a Foynes	50	61	19th	34	18th	53·6	38·9	45·9	- 1·9	4	0·28	7	- 6										
t Cahirciveen (Val. Obs.)	30	55	18th	34	18th	51·6	41·6	46·4	- 1·8	5	0·60	15	- 3	Cahirciveen ..	5·5	+0·4	40	1	30	—	—	—	—
a Killarney	174	62	18th	31	17, 18	56·3	38·2	46·8	- 1·0	5	0·41	10	- 7	Ballinacurra	5·5	+0·1	39	—	—	—	—	—	—
t Roche's Point	32	55	20th	37	17, 18, 19	52·0	40·0	45·7	- 2·1	3	0·13	3	- 11										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	54	21, 22	38	21st	51·3	41·9	46·4	- 2·7	2	0·44	11	+ 1	St. Heliers ..	8·3	+1·6	59	—	—	—	—	—	—
p Guernsey† ..	173	54	21st	37	20th	50·9	42·0	46·2	- 2·9	2	0·40	10	0	Guernsey ..	9·0	+2·3	65	1	30	48·7	- 1·0	48·4	- 0·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 22nd, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s	d. hr.	m.p.h	m/s	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	15 to 17	47	52	66	3	0	50	37	16	16 7	—	—	— — —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	0	—	0	19	127	22	0	350	18	8	16 13	45	20	16 12 40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	16	1	41	96	30	0	340	25	11	16 15	—	—	— — —
Edinburgh	485	39	31	—	0	—	0	41	83	44	0	340	24	11	16 13	35	16	16 9 45
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	0	16	6	25	71	66	0	350	27	12	16 15	39	18	16 15 25
Paisley	188	81	15	—	0	—	0	17	91	60	0	360	21	9	16 16	41	18	16 0 30
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	0	16	5	44	70	49	0	340	27	12	16 13	50	23	16 15 20
South Shields	72	61	12	—	0	16	5	51	79	33	0	350	28	13	16 13	44	20	16 12 30
Spurn Head	67	41	‡	—	0	16 to 19	56	28	62	22	0	320	35	16	16 22	45	20	16 19 35
3. ENGLAND, E.																		
Gorleston	52	42	‡	—	0	16 to 18	21	78	66	3	0	10	30	14	18 11	44	20	18 8 15
Shoeburyness	103	90	‡	—	0	16, 18, 19	11	74	69	14	0	210	33	15	16 3	42	19	{16 2 55 / 18 13 0}
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	0	—	0	54	79	35	0	200	20	9	16 2	3	14	16 1 35
5. ENGLAND, S.E.																		
Brighton	261	53	6	—	0	—	0	45	109	14	0	—	23	10	16 4	41	18	16 2 20
Larkhill, S'y Plain ..	513	63	43	—	0	16, 22	4	87	70	7	0	320	26	12	22 9	33	15	22 5 55
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	45	81	42	0	{200 / 350}	17	8	{16 1 / 18 15}	35	16	16 0 50
7. ENGLAND, N.W.																		
Fleetwood (Cup Anr.) ..	109	44	—	—	0	16, 22	12	54	81	21	0	10	32	14	16 6	—	—	— — —
Southport	80	62	48	—	0	16, 22	15	62	71	20	0	330	30	13	16 10	40	18	16 6 30
Holyhead	60	40	‡	16	4	16	18	39	94	13	0	340	43	19	16 6	58	26	16 4 20
8. ENGLAND, S.W.																		
Pendennis Castle § ..	256	65	24	—	0	16	7	76	71	14	0	330	29	13	16 15	49	22	16 15 25
Plymouth	185	88	2	—	0	16, 21, 22	18	33	98	19	0	—	24	11	16 15	43	19	16 14 25
Lyme Regis	556	61	‡	—	0	—	0	16	79	73	0	—	20	9	16 10	29	13	16 10 20
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27		—	0	16	17	47	73	31	0	300	37	16	16 1	—	—	— — —
Quilty	100	40	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
Cahirciveen (Val. Obs.) ..	98	41		—	0	16	7	65	70	26	0	340	27	12	16 2	54	24	16 9 20
Weaver Pt.	160	30	‡	—	0	16	3	30	101	16	18	—	27	12	16 17	40	18	16 17 10
11. ENGLISH CHANNEL.																		
Scilly (Cup Anr.) ..	150	19	—	16	6	16, 22	16	41	64	41	0	320	42	19	16 5	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. § Direction from the Robinson Anemometer at Falmouth Observatory.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTEENTH WEEK of 1922—April 16th to April 22nd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.	hr.	hr.	%	mb.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.									
0. SCOTLAND, NORTH ..	62	25	48·3	34·6	41·1	− 2.4	18	− 10	24	+ 7	2	− 2	0·11	3	− 14	6·1	+1·2	42	1023
Eastern.																			
1. SCOTLAND, EAST ..	60	20	48·8	32·9	40·5	− 3·2	19	− 15	30	+11	2	− 2	0·14	4	− 6	6·4	+1·4	44	1023
2. ENGLAND, N.E. ..	57	27	48·2	35·0	41·3	− 3·5	17	− 17	22	+10	2	− 1	0·18	5	− 3	6·1	+0·9	43	1022
3. ENGLAND, EAST ..	57	25	48·8	37·0	42·6	− 3·2	18	− 24	14	+ 3	3	0	0·30	8	+ 1	6·9	+1·2	49	1021
4. MIDLAND COUNTIES	59	29	50·7	35·4	42·7	− 3·2	23	− 22	18	+ 5	3	0	0·22	6	− 2	5·3	+0·3	38	1022
5. ENGLAND, S.E. ..	59	24	50·8	37·2	43·7	− 3·2	25	− 20	13	+ 6	3	0	0·28	7	− 1	6·2	+0·5	45	1021
Western.																			
6. SCOTLAND, WEST ..	61	25	51·8	33·7	42·3	− 2·9	25	− 12	23	+12	2	− 2	0·13	3	− 12	—	—	—	1024
7. ENGLAND, N.W. ..	59	25	49·9	36·4	42·9	− 2·9	22	− 16	16	+ 8	2	− 1	0·11	3	− 7	8·2	+2·7	58	1024
8. ENGLAND, S.W. ..	59	27	51·5	37·2	44·0	− 2·7	27	− 16	13	+ 7	2	− 1	0·22	6	− 5	7·7	+2·1	55	1024
9. IRELAND, NORTH ..	59	26	51·0	37·0	43·7	− 2·4	26	− 13	14	+ 7	4	0	0·34	9	− 4	6·7	+1·9	47	1025
10. IRELAND, SOUTH ..	62	30	52·7	37·9	45·0	− 2·5	32	− 13	11	+ 6	4	0	0·28	7	− 6	5·9	+0·7	42	1026
11. ENGLISH CHANNEL..	54	37	50·7	41·3	45·8	− 3·1	29	− 19	2	+ 2	2	− 1	0·41	10	0	8·2	+1·6	59	1024
MEAN: DISTRICTS 1-10	62	20	50·4	36·0	42·9	− 3·0	23	− 17	17	+ 8	3	− 1	0·22	6	− 5	6·6	+1·3	47	1023

THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, February 26th to April 22nd, 1922.

0. SCOTLAND, NORTH ..	62	21	45·4	33·9	39·4	− 0·9	75	− 50	222	+ 7	33	− 5	5·40	138	− 45	4·0	+ 0·4	32	1009
Eastern.																			
1. SCOTLAND, EAST ..	60	15	45·5	32·5	38·7	− 1·7	80	− 77	261	+21	32	− 1	4·19	108	+ 5	4·0	0·0	32	1010
2. ENGLAND, N.E. ..	63	23	46·3	34·6	40·2	− 1·6	100	− 80	198	+18	32	+ 2	3·44	88	+10	3·9	− 0·4	31	1010
3. ENGLAND, EAST ..	70	22	47·5	36·0	41·6	− 0·9	135	− 90	160	− 23	31	+ 4	3·51	88	+15	4·4	0·0	35	1011
4. MIDLAND COUNTIES	67	22	47·2	34·5	40·6	− 1·8	120	−117	197	+ 2	34	+ 7	5·01	128	+47	3·2	− 0·8	26	1010
5. ENGLAND, S.E. ..	68	20	48·3	37·2	42·5	− 1·1	158	− 82	131	− 7	31	+ 4	5·20	132	+49	3·8	− 0·7	31	1011
Western.																			
6. SCOTLAND, WEST ..	62	20	48·2	33·7	40·6	− 1·4	139	− 35	216	+50	24	− 9	4·76	121	− 30	—	—	—	1010
7. ENGLAND, N.W. ..	59	23	46·9	35·7	41·1	− 1·5	113	− 74	163	+15	27	− 2	3·93	101	− 6	4·7	+ 0·6	38	1010
8. ENGLAND, S.W. ..	62	20	48·1	36·9	42·3	− 1·5	147	− 86	134	+19	33	+ 4	6·92	178	+54	4·6	+ 0·1	37	1011
9. IRELAND, NORTH ..	59	23	48·1	35·5	41.6	− 1·6	142	− 62	165	+30	31	− 5	4·48	114	− 12	5·0	+ 1·1	40	1010
10. IRELAND, SOUTH ..	62	25	49·5	37·0	42·9	− 1·6	177	− 79	122	+20	30	− 2	4·44	112	− 20	4·7	+ 0·4	38	1011
11. ENGLISH CHANNEL..	63	31	50·2	41·8	45·8	− 0·6	241	− 40	26	− 9	37	+ 6	7·13	181	+78	4·3	− 1·0	35	1010
MEAN: DISTRICTS 1-10..	70	15	47·6	35·4	41·2	− 1·5	131	− 78	175	+15	31	0	4·59	117	+11	4·3	0·0	34	1010

THE YEAR. Aggregates, &c., for the Period of 16 Weeks, January 1st to April 22nd, 1922.

0. SCOTLAND, NORTH ..	62	18	43·8	33·9	38·8	− 0·4	91	− 87	453	− 47	73	− 6	14·04	358	− 76	2·6	+ 0.2	25	1006
Eastern.																			
1. SCOTLAND, EAST ..	60	8	43·0	32·3	37·6	− 1·3	90	−123	586	+12	71	+ 6	9·43	241	+24	2·8	− 0·1	27	1008
2. ENGLAND, N.E. ..	63	12	44·2	33·7	38·9	− 1·2	141	−109	485	+32	67	+ 7	7·83	200	+45	2·8	− 0·4	27	1010
3. ENGLAND, EAST ..	70	16	45·6	34·8	40·1	− 0·3	197	−104	407	− 69	64	+ 6	8·74	221	+69	3·3	0·0	30	1011
4. MIDLAND COUNTIES	67	11	45·5	33·6	39·5	− 0·9	182	−140	467	− 30	70	+12	10 26	260	+85	2·5	− 0·4	24	1010
5. ENGLAND, S.E. ..	68	17	46·9	36·4	41·6	0·0	252	− 88	297	− 73	68	+11	10·53	268	+84	3·1	− 0·2	29	1011
Western.																			
6. SCOTLAND, WEST ..	62	15	45·7	34·2	39·9	− 0·7	178	− 72	417	+21	68	− 3	15·32	389	+34	—	—	—	1009
7. ENGLAND, N.W. ..	61	20	45·5	35·6	40·5	− 0·6	176	− 91	345	− 26	65	+ 3	10·53	269	+30	3·3	+ 0·3	31	1009
8. ENGLAND, S.W. ..	62	13	47·4	37·0	42·2	− 0·2	269	− 90	251	− 43	72	+ 9	14·21	364	+83	3·3	0·0	31	1010
9. IRELAND, NORTH ..	59	22	47·3	36·7	41·9	0·0	255	− 57	261	− 67	77	+ 2	12·94	329	+50	3·5	+ 0·7	34	1007
10. IRELAND, SOUTH ..	62	23	49·0	38·0	43·4	+ 0·1	347	− 69	190	− 64	73	+ 4	12·97	328	+24	3·4	+ 0·2	32	1009
11. ENGLISH CHANNEL..	63	28	49·8	42·0	45·9	+ 0·6	485	+11	52	− 53	79	+10	13·23	336	+99	3·3	− 0·6	31	1011
MEAN: DISTRICTS 1-10 ..	70	8	46·0	35·2	40·6	− 0·5	209	− 94	371	− 31	70	+ 6	11·28	287	+53	3·1	0·0	29	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
28th April, 1922.

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METEOROLOGICAL OFFICE
MAY 1922
65

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 17.

SEVENTEENTH WEEK.
SUNDAY, APRIL 23RD, TO SATURDAY, APRIL 29TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather was changeable and unsettled. Rain, hail and snow were frequent, and thunderstorms occurred at a number of stations. In all districts the total rainfall for the week was not far from the normal for the time of year. Amongst the largest measurements were 17mm. at Stonyhurst on the 23rd, 17mm. at Arlington (Devon), 15mm. at Geldeston (near Beccles) and also at Cambridge, Cardiff and Rhayader (Radnor) on the 25th, while the total fall for the two days 23rd and 24th at Ford (Argyll) was 38mm. and for the 25th and 26th at Birmingham 33mm. The winds were mainly westerly or north-westerly, and at one or two stations reached the force of a gale. Temperature was low for the time of year. The highest of the maxima occurred generally at the beginning or towards the end of the week, and in no part of the British Isles did the temperature exceed 60°F. Several stations recorded screen minima below 32°F., and at Eskdalemuir a reading of 19°F. was registered on the morning of the 29th, while at the same station, and also at Rhayader, grass temperatures of about 15°F. were recorded. Mean temperature for the week was below the normal in all districts, and the mean daily range was in a few instances as much as 20°F. Several good records of sunshine were obtained during the week, a large number of stations registering more than 13·0 hours on various days. Amongst the largest amounts recorded were 13·3 hours at Weymouth on the 24th, 13·6 hours at Aberystwyth, 13·3 hours at Eastbourne and also at St. Leonards, 13·1 hours at Southport and Pembroke and 13·0 hours at Worthing on the 29th. The total amount of sunshine for the week was above the normal in nearly all districts. The departure from the normal ranged from +2·9 hours a day at Ventnor to —1·9 hours a day at Geldeston. Solar halos were observed at Ross-on-Wye on the 26th and 28th. The Oxford observations included Solar Halos on each day of the week from the 24th to 28th inclusive, Parhelia on the 25th, and the Zodiacal Light on the 24th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	8	9	3·9	10	4	1·6	7	6	2·5	4	8	3·5	3	10	4·4	1	3	1·4	10	7	3·2	4	7	3·1
North	16	15	6·7	15	9	3·8	16	7	3·3	13	4	2·0	21	12	5·2	20	10	4·6	12	10	4·5	21	11	5·0
West	10	8	3·6	24	12	5·3	20	8	3·5	18	10	4·4	23	12	5·4	16	19	8·3	22	17	7·7	17	17	7·6
East	11	6	2·8	3	5	2·4	6	6	2·6	1	5	2·4	5	5	2·1	2	2	0·8	2	5	2·2	10	2	1·0
Calm (or wind-speed < 4 m.p.h.)	4	—	—	0	—	—	2	—	—	8	—	—	0	—	—	6	—	—	0	—	—	1	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient
	Rainfall ..	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Moderate
	Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	—	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 9 weeks from Feb. 26th, 1922.	Warmth ..	3, 1, 5	2, 1, 6	2, 2, 5	2, 2, 5	1, 3, 5	1, 3, 5	2, 1, 6	2, 2, 5	1, 3, 5	1, 2, 6	1, 2, 6	1, 3, 5
	Rainfall ..	3, 1, 5	2, 5, 2	3, 3, 3	5, 3, 1	5, 3, 1	4, 4, 1	2, 2, 5	3, 4, 2	6, 1, 2	2, 5, 2	2, 3, 4	5, 3, 1
	Sunshine ..	5, 3, 1	3, 4, 2	1, 5, 3	2, 4, 3	1, 5, 3	2, 4, 3	—	3, 6, 0	3, 5, 1	6, 2, 1	4, 4, 1	1, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	51	29th	37	24th	46·4	39·1	42·6	+0·6	6	0·44	11	- 2										
p Deerness, Orkney	165	49	29th	26	24th	46·6	38·0	42·1	- 0·9	7	0·87	22	+10	Deerness	5·6	+0·7	37	—	—	—	—	—	—
a Islands t Stornoway	51	48	23 - 26	30	26th	47·1	36·3	41·4	- 2·7	6	1·13	29	+13	Stornoway	6·3	+1·1	42	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	36	28th	—	39·6	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	49	29th	31	26th	46·1	36·0	40·8	- 2·9	7	1·25	32	+20										
a Strathpeffer	125	51	23rd	31	26th	48·7	37·4	42·8	+2.3	4	0·44	11	0										
b, Main- p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. a Fort Augustus	68	50	25, 29	29	26th	47·6	34·6	40·8	- 4·0	6	0·77	20	+ 6										
p Fort William	171	52	25th	31	26th	49·0	36·6	42·5	- 3·5	4	0·94	24	0										
1. SCOTLAND, E.																							
t Nairn	82	54	23rd	31	26th	49·1	36·3	42·4	- 2·7	7	0·48	12	+ 2	Nairn	3·0	—	20	—	—	—	—	—	—
p Gordon Castle	101	52	23rd	31	26th	47·6	36·6	41·8	- 3·6	7	1·12	28	+16	Gordon Castle	2·4	—	16	—	—	—	—	—	—
t Aberdeen	46	51	24th	36	24, 26	47·9	38·1	42·8	- 2·0	7	0·93	24	+11	Aberdeen	4·6	- 1·0	31	3	29	—	—	42·2	- 1·0
a Balmoral	930	49	23rd	28	23rd	45·0	32·6	38·5	- 3·6	7	1.10	28	+14	Balmoral	—	—	—	4	26	—	—	—	—
p Crieff	432	54	25th	30	23rd	49·4	34·3	41 5	- 4·5	3	0·33	8	- 6	Crathes	4·9	- 0·3	33	2	27	41·8	—	41·4	—
a Dundee	244	57	26th	31	23rd	54·0	34·7	43·9	- 1·6	6	0·26	7	- 4	Dundee	5·7	—	38	4	24	44·7	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	51	25th	34	23rd	48·9	38·3	43·4	—	2	0·18	5	—	(F. of Forth)	4·8	—	32	0	33	—	—	—	—
p Edinburgh	441	52	25th	33	23rd	49·7	36·4	42·7	- 2·3	6	0·22	6	- 3	Edinburgh	4·8	- 0·2	32	2	27	—	—	—	—
a West Linton	769	52	26th	27	29th	49·3	32·3	40·4	- 2·2	6	0·29	7	—	West Linton	—	—	—	4	23	—	—	—	—
a Marchmont	498	53	25th	31	23, 29	48·3	34·1	40·9	- 3·6	3	0·53	13	- 1	Marchmont	4·3	- 0·8	29	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	54	28th	32	29th	50.1	35·9	42·7	—	4	1·62	41	—	Ford (Argyll)	—	—	—	2	27	4 ·8	—	43·1	—
t Renfrew	49	52	25th	31	23, 26	49·9	35·0	42·1	—	4	0.36	9	—	Renfrew	5·4	—	36	4	23	—	—	—	—
b Rothesay	200	50	28292628	34	26, 29	49.3	36·4	42·5	- 4·1	2	0·54	14	- 5	Rothesay	6·4	—	43	3	28	45·9	—	44·6	- 0·7
a Kilmarnock	90	54	28th	29	29th	51·4	35·1	42·9	- 2·8	3	0·47	12	- 3	Kilmarnock	5·3	—	35	—	—	44·7	—	44·1	—
			23, 25,																				
a Colmonell	170	51	27, 28	29	29th	50·0	37·0	43·2	- 2·7	6	0·52	13	- 3	Colmonell	—	—	—	2	25	—	—	—	—
p Dumfries	160	52	23rd	30	29th	49·4	35·7	42·2	- 4·5	1	0·17	4	- 11	Dumfries	5·1	—	35	4	21	45·4	- 1·4	44·0	- 1·2
t Eskdalemuir	794	51	23, 25	19	29th	47·6	30·3	38·5	—	5	0·75	19	—	Eskdalemuir	4·3	—	29	4	15	—	—	—	—
b, I. OF MAN h Douglas	284	50	23,27	35	29th	48·1	37·7	42·7	- 3·7	6	0·47	12	- 3	Douglas	7·2	+1·0	49	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	54	24th	34	242629	49·1	35·9	42·2	- 3·0	4	0·55	14	+ 1	Cockle Park	5·8	+0·8	39	4	25	41·9	- 2·9	42·8	- 1·1
t Tynemouth	118	54	23rd	35	29th	49·7	37·1	43·1	- 2·2	5	0·41	11	0	Tynemouth	—	—	—	1	30	—	—	—	—
p Durham	336	54	29th	33	23, 29	50·4	35·0	42·3	- 3·1	4	0·50	13	+ 2	Durham	6·5	+1·8	44	5	21	—	—	—	—
a North p Rounton	249	55	25, 29	30	28th	50.4	34·6	42·1	- 3·1	6	0·46	12	0	Rounton	—	—	—	7	21	43·7	—	—	—
a West Witton	605	52	29th	32	29th	49·1	35·3	41·9	—	6	0·96	24	—	West Witton	—	—	—	3	27	42·4	—	40·5	—
h Scarborough	118	56	29th	38	23, 29	52·1	40·4	46·0	- 0·3	4	0·35	9	- 2	Scarborough †	5·9	+0·6	40	—	—	—	—	45·7	—
p York	56	55	29th	36	23, 29	51·1	37·9	44·2	- 3·4	6	0·29	7	- 4	York	6·1	+1·4	42	—	—	44·9	- 1·7	44·2	- 0·7
t Spurn Head	26	53	29th	38	27th	50·3	39·4	44·6	- 1·9	5	0·34	9	+ 1	Spurn Head	5·6	—	38	—	—	—	—	—	—
b, South a Lincoln	58	54	29th	35	27th	51·4	37·0	43·9	- 4·2	4	0·67	17	+ 7	Lincoln	—	—	—	0	31	44·5	- 2·8	44·9	- 0·3
t Cranwell	237	53	25, 29	33	27th	49·7	36·3	42·7	- 5·1	6	1·08	27	+16	Cranwell	5·9	+0·2	40	1	30	—	—	—	—
														Skegness	5·6	- 0·3	39	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	53	23, 29	34	23rd	50·3	37·1	43·4	- 3·4	5	0·43	11	+ 1	Cromer	4·1	- 1·8	28	—	—	—	—	—	—
a Little Massingham	277	53	23, 29	35	26th	49·4	37·0	42·9	- 3·8	5	0·80	20	+ 7	Lit Massingham	4·3	- 1·3	30	—	—	—	—	—	—
t Yarmouth	13	54	23rd	34	23, 28	49·9	37·7	43·5	- 3·0	7	1·12	28	+17	Yarmouth	4·1	—	28	1	30	46·3	- 3·2	47·0	- 0·9
a Norwich	93	56	29th	30	23rd	51·8	35·3	43·2	- 4.5	5	0·87	22	+ 9	Norwich	4·0	—	27	4	25	45·6	—	—	—
a Geldeston	37	57	23, 29	29	23rd	53·0	33·9	43·0	- 4 2	5	0·97	25	+14	Geldeston	4·2	- 1·9	29	—	—	—	—	—	—
p Cambridge	41	56	23, 29	31	28, 29	52·0	34·4	42·8	- 5·4	6	0·76	19	+ 8	Cambridge	5·8	0·0	40	1	30	46·9	- 2·0	46·7	- 0·5
t Clacton-on-Sea	54	57	23rd	35	28th	51·9	38·7	45·0	- 2·2	5	0·78	20	+11	Clacton-on-Sea	6·3	- 0·2	44	0	31	46·7	- 1·8	47·3	- 0·6
a Rothamsted	420	55	29th	29	29th	50·7	35·3	42·6	- 4·7	6	0·85	22	+ 9	Rothamsted	6·1	+0·5	42	3	20	43·6	—	—	—
p Tottenham	51	57	23rd	34	28th	52·9	38·3	45·3	—	4	0·72	18	—	Tottenham	5·7	—	39	—	—	—	—	—	—
														Southend	6·7	—	46	0	35	46·3	—	—	—
4. MIDLAND COUNTIES.																							
North h Harrogate	479	52	29th	33	23rd	49·0	34·7	41·5	- 4·0	5	0·86	22	+ 9	Harrogate	7·2	+1·8	49	3	30	42·9	- 2·0	43·4	- 1·1
p Sheffield	429	52	23, 29	33	26th	48·6	36·7	42·4	—	6	1·40	36	—	Sheffield	5·6	+0·6	38	0	32	41·9	- 3·8	42·0	- 1·7
p Buxton	987	49	23, 29	31	29th	46·0	34·0	39·7	- 4·7	6	1·30	33	+13	Buxton	4·6	—	31	4	25	41·8	- 3·4	41·8	- 1·6
a Worksop	56	56	23rd	33	23, 29	52·6	36·3	44·1	- 3·2	6	0·95	24	+13	Worksop	4·4	- 0·5	30	4	26	46·0	—	45·3	—
t Nottingham	82	55	29th	33	29th	50·4	37·7	43·8	- 3·7	5	0·81	21	+10	Nottingham	3·9	- 1·4	27	3	28	44·5	- 2·4	43·0	- 1·4
b, East p Birmingham, Edgbsn	525	53	23, 29	32	26th	50·4	35·6	42.6	- 4·8	5	1·46	37	+24	Birmingham	4·7	+0·4	32	1	26	41·8	- 3·0	43·8	- 0·8
a Raunds	213	56	29th	31	29th	52·1	35·7	43·5	- 4·4	6	1·35	34	+22	Raunds	5·5	—	38	3	25	45·6	—	—	—
p Oxford	208	56	23rd	31	29th	52·6	35·6	43·7	- 4·8	6	0·69	18	+ 6	Oxford	6·0	+0·4	41	3	24	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.)	646	52	23, 29	33	26, 29	49·9	35·3	42·3	- 3·9	5	0·71	18	+ 4	Cheadle	—	—	—	4	20	—	—	—	—
c, West p Tenbury	313	55	23, 29	28	29th	53·0	33·6	42·8	- 4·5	6	0·84	21	+11	Tenbury	—	—	—	4	25	46·1	—	—	—
a Hereford	291	56	23rd	30	27th	52·9	34·1	43·1	- 5·1	5	0·46	12	- 1	Ross on Wye	6·1	—	42	4	27	45·5	—	46·0	—
a Clifton	225	56	24th	33	27th	51·3	37·1	43·9	- 5·6	5	0·45	11	- 3	Clifton	6·4	—	44	0	31	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	57	24th	28	29th	51·1	33·1	41·7	- 5·2	5	0·67	17	+ 1	Worthing	7·7	+1.2	53	2	29	47·4	- 2·7	47·3	- 0·6
a Portou	340	56	23rd	25	27th	53·6	32·4	42·5	—	6	0·65	17	—	Marlborough	5·7	+0·5	39	4	25	46·1	—	46·0	—
a Wisley, Surrey	150	57	29th	32	28, 29	53·4	36·0	44·3	- 4·0	7	0·48	12	0	Porton	—	—	—	4	20	46·2	—	—	—
h Tunbridge Wells	354	56	29th	28	28th	53·3	35·6	44·0	- 4·1	5	0·56	14	- 2	Wisley, Surrey	6·5	+0·8	45	4	22	46·0	- 2·1	45·9	- 0·7
h Margate	51	56	23rd	38	26th	51·9	40·6	46·0	- 2·5	5	0·54	14	+ 2	Tunbridge Wells	6·0	0·0	42	4	22	47·0	—	46·4	—
														Margate	6·6	+0·6	45	0	34	48·2	- 0·3	47·8	+0·6
t Dungeness	21	56	24th	35	28th	52·1	38·4	44·9	- 2·8	6	0·81	21	+10	Folkestone	7·6	—	53	0	33	—	—	47·3	—
h St. Leonards	178	53	242529	36	27th	51·6	38.1	44·5	- 4·0	6	0·75	19	+ 6	St. Leonards	7·4	+0·8	51	1	30	47·9	—	46·9	—
p Southampton	64	56	23rd	33	27th	55·0	36·9	45·5	- 4·5	4	0·40	10	- 6	Southampton	8·2	+2·1	57	4	23	—	—	—	—
a Ventnor	59	54	24, 29	35	28th	53·1	39·3	45·9	- 3·6	3	0·33	8	- 6	Ventnor	9·2	+2·9	64	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	57	29th	34	29th	52·6	38·6	45·3	- 3·6	4	0·50	13	0	Richmond	6·1	+0·5	42	3	26	46·4	- 1·9	46·6	- 0·3
a Westminster	27	58	29th	35	29th	55·0	38·6	46·4	- 3·3	4	0·62	16	+ 4	Westminster	5·7	+1·0	39	2	29	—	—	—	—
ae Greenwich	149	60	29th	33	29th	55·6	37·7	46·2	- 3·1	4	0·55	14	+ 1	Greenwich	5·4	- 0·1	37	3	28	—	—	—	—
a Hampstead	450	54	23rd	34	28th	51·9	36·7	43·9	—	5	0·85	22	—	Hampstead	6·4	—	44	6	25	—	—	—	—
a Camden Square	110	58	28th	34	27th	55·3	38·1	46·3	- 4·0	4	0·74	19	+ 5	Camden Square	—	—	—	2	29	46·2	—	45·7	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	23rd	33	28th	47·4	35·7	41·3	- 4·8	6	0·59	15	- 1	Aspatria	4·5	- 0·6	31	2	28	44·7	- 2·3	44·1	- 0·7
p Newton Rigg	559	51	29th	30	29th	49.0	34·6	41·5	- 3·8	6	0·66	17	+ 2	Newton Rigg	5·3	+0·1	36	3	22	—	—	—	—
p Stonyhurst	375	50	23rd	31	29th	48·0	35·9	41 7	- 4·6	6	1·24	32	+13	Stonyhurst	4·1	- 0·9	28	1	28	—	—	—	—
h Blackpool	66	52	23rd	38	28th	49·1	40·4	44·5	- 2·3	5	0·54	14	+ 1	Blackpool	6·1	+0·2	32	0	31	46·4	—	44·7	—
h Southport	37	50	23rd	38	26, 28	48·1	40·7	44·2	- 3·0	6	0·37	10	- 3	Southport	7·5	+1·7	51	0	33	48 1	- 1·0	46·3	-1·8
														Hoylake	8·1	+2·7	55	±	—	—	—	—	—
t Liverpool (Bidston)	188	51	23rd	37	26, 29	48·1	39·7	43·7	- 4·1	4	0·61	16	+ 4	Liverpool	7·4	—	50	0	31	—	—	—	—
a Hawarden Bridge	22	53	23rd	36	29th	50·0	40·1	44·8	- 3·6	5	0.61	16	+ 6	Manchester City	3·8	- 0·6	26	—	—	42·7	- 3·4	43·7	- 1·9
p Manchester (Whit. Pk.)	125	52	23, 29	33	29th	48·6	37·6	42·8	- 5·6	6	1.42	36	+22	„ Whit. Pk.	3·5	- 0·6	24	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	51	23rd	37	26th	48.9	40·4	44·5	- 3·6	5	0·41	11	- 1	Llandudno	6·2	+0·3	42	—	—	—	—	—	—
t Holyhead	15	50	23rd	39	26, 29	47·6	41·3	44·3	- 3·1	5	0·44	11	- 3	Holyhead	6 8	—	47	0	37	—	—	—	—
a Aberdovey	60	53	27th	35	29th	50·9	39·7	45·0	—	5	0·60	15	—	Aberdovey	7·1	+1·5	48	2	27	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked ae Gleisher stand is used. † Perth temperature at 2 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	50	27th	32	29th	47·9	38·4	42·9	—	2	0·45	11	—	Aberystwyth	7·6	+1·9	52	—	—	—	—	—
a Rhayader	757	50	29th	27	29th	46·7	33·3	39·7	—	6	1·38	35	—	Rhayader ..	6·2	—	43	4	16	—	—	—
t Pembroke	149	50	23, 29	37	29th	48·7	40·9	44·6	- 2·8	4	0·48	12	- 4	Pembroke ..	6·6	+0·3	45	—	—	—	—	—
p Cardiff	202	54	29th	34	27th	50·7	37·1	43·6	- 4·5	6	0·98	25	+ 4	Cardiff ..	6·4	—	44	4	28	46·1	- 2·7	45·6	- 1·1
b, ENGLAND, S.W.																						
h Bath	66	55	23rd	30	29th	51·7	35·9	43·4	- 5·2	7	0·67	17	+ 1	Bath	5·1	- 0·8	35	—	—	47·7	—	47·0	—
a Shaftesbury	722	53	26, 28	32	27, 28	51·1	35·0	42·7	- 4·5	6	0·51	13	- 5	Shaftesbury ..	—	—	—	—	—	46·0	—	46·1	—
a Arlington	613	50	23rd	33	27th	48·0	36·8	42·1	- 4·9	5	1·27	32	+ 7										
h Newquay	190	52	23rd	39	29th	48·5	42·0	45·1	- 3·7	6	0·71	18	+ 3	Newquay ..	5·6	- 0·7	39	—	—	49·0	—	48·4	—
a Cullompton	202	55	23, 28	30	27th	52·7	36·3	44·1	- 4·6	5	0·57	14	- 5	Cullompton ..	5·1	- 0·6	35	4	23	48·2	—	—	—
t Portland Bill	19	52	24, 29	39	27, 28	50·9	40·7	45·6	- 2·7	4	0·35	9	- 4	Weymouth ..	7·8	—	54	—	—	—	—	—	—
p Plymouth	116	54	23, 28	34	27th	52·4	39·1	45·4	- 4·2	7	0·69	18	0	Plymouth ..	6·7	+0·4	46	2	28	48·2	- 2·5	48·1	—
h Falmouth	167	54	23rd	36	29th	51·9	40·3	45·8	- 3·2	7	0·95	24	+ 4	Falmouth ..	7·8	+1·2	54	0	32	49·5	—	50·0	—
9. IRELAND, N.																						
t Malin Head	71	50	23rd	37	28th	45·9	39·7	42·7	- 3·5	6	0·68	17	+ 5	Malin Head ..	7·4	—	50	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	53	23rd	34	26th	49·4	37·0	42·9	—	7	1·73	44	—	Mallarany ..	5·8	—	39	4	29	—	—	—	—
p Markree Castle.. ..	122	53	23, 24	31	29th	50·1	35·9	42·7	- 3·8	7	1·04	26	+ 9	Markree Castle	6·3	+1·3	43	4	27	46·9	- 2·4	46·4	- 0·1
p Armagh	204	53	23rd	31	29th	50·4	35·4	42·5	- 4·2	6	0·76	19	+ 5	Armagh ..	5·8	+0·8	39	4	26	45·7	- 2·4	45·1	- 1·3
b, East .. *t* Donaghadee ..	35	52	23rd	34	29th	48·7	38·9	43·6	- 3·0	5	0·81	21	+ 8										
														Trinity Coll. Phœnix Park	— 6·0	— - 0·3	— 41	1 2	29 24	46·3 —	- 2·6 —	46·1 —	- 1·4 —
10. IRELAND, S.																						
p Dublin City	54	53	23rd	33	29th	49·7	37·4	43·3	- 5·6	6	0·49	12	- 2	Dublin City ..	—	—	—	1	29	—	—	—	—
t Birr Castle	175	53	23rd	30	29th	49·6	35·9	42·4	- 4·9	6	0·66	17	+ 1	Birr Castle ..	5·1	0·0	35	4	22	—	—	—	—
a Kilkenny	195	52	23rd	29	29th	50·3	35·4	42·5	- 5·3	6	0·59	15	- 1										
a Waterford	137	54	23rd	32	29th	52·0	37·3	44·3	- 4·3	6	0·23	6	- 11										
p Seskin, Carrick-on-Suir	542	54	23rd	30	29th	51·4	35·1	42·9	—	4	0·89	10	—	Seskin ..	6·8	—	47	2	26	—	—	—	—
a Foynes	50	53	23rd	35	29th	50·3	39·1	44·4	- 4·3	4	0·56	14	- 3										
t Cahirciveen (Val. Obs.)	30	52	23, 25	33	29th	49·9	39·6	44·5	- 4·5	7	0·91	23	- 2	Cahirciveen ..	6·3	+0·8	43	1	28	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	6·4	+0·7	44	—	—	—	—	—	—
t Roche's Point	32	55	25th	35	29th	52·0	40·6	46·0	- 2·6	7	0·39	10	- 9										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	54	23rd	39	29th	50·9	42·1	46·3	- 3·1	6	0·56	14	0	Scilly ..	6·3	0·0	44	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	54	29th	36	29th	52·1	42·4	47·0	- 3·4	5	0·45	11	- 3	St. Heliers ..	7·9	+1·1	55	—	—	—	—	—	—
p Guernsey† ..	173	55	23rd	37	29th	52·3	41·6	46·7	- 3·7	6	0·57	15	0	Guernsey ..	7·7	+0·8	54	0	31	49·8	- 1·2	49·2	- 0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 29th, 1922.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.					Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.		Mid Time.		Speed		Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																					
**Deerness (Cup Anr.) ..	188	16	5	—	0	23, 27, 28	47	25	75	21	0	310	35	16	28	21	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	19	141	0	8	310	17	8	28	14	39	18	28	14	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	28	4	67	81	16	0	330	25	11	28	‡	—	—	—	—	—
Edinburgh	485	39	31	—	0	24	3	102	61	2	0	280	25	11	24	16	39	17	24	15	50
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	24, 25	10	69	50	39	0	300	37	16	25	3	53	24	24	20	0
Paisley	188	81	15	—	0	—	0	50	99	19	0	310	23	11	24	23	47	21	24	22	45
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	56	91	21	0	340	22	10	27	11	38	17	27	12	10
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	67	41	‡	—	0	24, 25	26	74	65	3	0	280	30	13	25	7	46	20	24	17	35
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	26	1	48	106	13	0	130	25	11	26	2	39	18	24	12	0
Shoeburyness	103	90	‡	—	0	24 to 26	9	65	69	25	0	280	26	12	24	8	50	22	24	12	35
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	52	57	59	0	290	23	10	24	15	40	18	24	15	10
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	63	88	17	0	—	24	11	24	9	44	20	24	16	5
Larkhill, S'y Plain ..	513	68	43	—	0	23 to 26	20	62	69	17	0	310	38	17	24	9	46	21	24	9	20
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	28	87	53	0	270	18	8	24	14	40	18	24	14	10
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	24, 25	6	23 to 25	32	69	56	5	0	290	41	18	25	1	—	—	—	—	—
Southport	80	62	48	24	1	23 to 25	45	66	53	3	0	290	39	17	24	24	55	24	24	18	5
Holyhead	60	40	‡	24	1	23 to 25	29	62	75	1	0	280	40	18	24	5	56	25	24	16	45
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	24, 25	25	77	57	9	0	—	37	17	25	19	54	24	25	20	15
Plymouth	185	88	2	—	0	24, 25	5	57	80	26	0	—	29	13	25	17	56	25	24	18	40
Lyme Regis	556	61	‡	—	0	—	0	13	53	102	0	—	20	9	25	24	31	14	26	0	20
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	23 to 25	42	81	41	4	0	270	35	16	24	10	—	—	—	—	—
Quilty	100	40	‡	—	0	23, 24	21	115	28	4	0	—	32	14	23	2	58	26	23	2	0
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	23 to 25	17	121	23	7	0	300	27	12	23	24	58	26	23	23	0
Weaver Pt.	160	30	‡	—	0	23 to 25	20	96	31	0	21	—	35	16	24	12	58	26	24	14	5
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	24	3	23 to 25	37	35	48	45	0	300	39	17	24	17	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. ‡At 11, 12, 14 and 16 h.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTEENTH WEEK of 1922—April 23rd to April 29th, 1922.

DISTRICTS (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	52	29	47·5	36·7	41·8	− 2.6	15	− 16	17	+ 5	6	+ 2	0·83	21	+ 4	6·0	+1·4	40	1001
Eastern.																			
1. SCOTLAND, EAST ..	54	27	48·4	35·4	41·6	− 3·2	18	− 19	21	+ 7	5	+ 1	0·58	15	+ 3	4·6	− 0·7	30	1000
2. ENGLAND, N.E. ..	56	30	50·4	37·1	43·4	− 2·7	24	− 15	14	+ 6	5	+ 1	0·52	13	+ 2	6·0	+0·7	41	1001
3. ENGLAND, EAST ..	57	29	51·3	36·4	43·5	− 4·0	26	− 22	16	+ 9	5	+ 1	0·81	21	+ 9	5·1	− 0·8	35	1002
4. MIDLAND COUNTIES	56	28	51·4	35·6	43.1	− 4·3	26	− 24	18	+ 9	5	+ 1	0·86	22	+ 9	5·5	+0·2	38	1003
5. ENGLAND, S.E. ..	57	25	52·8	36·9	44·5	− 4·0	32	− 18	14	+10	5	+ 1	0·57	14	0	7·1	+1·1	49	1004
Western.																			
6. SCOTLAND, WEST ..	54	29	49·7	36·1	42·6	− 3·7	21	− 20	17	+ 9	3	− 1	0·59	15	− 3	—	—	—	1002
7. ENGLAND, N.W. ..	53	30	48·5	38·4	43·2	− 3·9	18	− 24	10	+ 5	5	+ 1	0·72	18	+ 4	6·0	+0·8	41	1003
8. ENGLAND, S.W. ..	55	27	50·5	37·5	43·7	− 4·5	25	− 23	13	+10	6	+ 2	0·79	20	+ 1	6·3	+0·4	44	1005
9. IRELAND, NORTH ..	53	30	48·9	37·4	42·9	− 3·9	19	− 22	13	+ 8	6	+ 1	0·89	23	+ 8	6·1	+1·1	41	1004
10. IRELAND, SOUTH ..	55	29	50·5	37·9	43·9	− 4·5	25	− 24	11	+ 8	6	+ 2	0·55	14	− 5	5·9	+0·4	41	1008
11. ENGLISH CHANNEL..	55	36	51·8	42·0	46·7	− 3·3	33	− 24	0	0	6	+ 2	0·53	13	− 1	7·3	+0·6	51	1007
MEAN: DISTRICTS 1-10	57	25	50·2	36·9	43·2	− 3·9	23	− 21	15	+ 8	5	+ 1	0·69	18	+ 3	5·8	+0·4	40	1003

THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, February 26th to April 29th, 1922.

0. SCOTLAND, NORTH ..	62	21	45·6	34·2	39·7	− 1·1	90	− 66	239	+12	39	− 3	6·23	159	− 41	4·2	+0·5	32	1008
Eastern.																			
1. SCOTLAND, EAST ..	61	15	45·8	32·8	39·1	− 1·8	98	− 96	282	+28	37	0	4·77	123	+ 8	4·1	0·0	32	1008
2. ENGLAND, N.E. ..	63	23	46·8	34·9	40·6	− 1·7	124	− 95	212	+24	37	+ 3	3·96	101	+12	4·1	− 0 3	32	1009
3. ENGLAND, EAST ..	70	22	47·9	36·1	41·8	− 1·2	161	−112	176	− 14	36	+ 5	4·32	109	+24	4·5	− 0·1	35	1010
4. MIDLAND COUNTIES	67	22	47·7	34·6	40·9	− 2·1	146	−141	215	+11	39	+ 8	5·87	150	+56	3·5	− 0·6	28	1009
5. ENGLAND, S.E. ..	68	20	48·8	37·1	42·7	− 1·4	190	−100	145	+ 3	36	+ 5	5·77	146	+49	4·2	− 0·5	33	1010
Western.																			
6. SCOTLAND, WEST ..	62	20	48·3	33·9	40·9	− 1·6	160	− 55	233	+59	27	− 10	5·35	136	− 33	—	—	—	1009
7. ENGLAND, N.W. ..	59	23	47·1	36·0	41·4	− 1·7	131	− 98	173	+20	32	− 1	4·65	119	− 2	4·9	+ 0·6	38	1009
8. ENGLAND, S.W. ..	62	20	48·4	36·9	42·4	− 1·9	172	−109	147	+29	39	+ 6	7·71	198	+55	4·8	+ 0·2	38	1010
9. IRELAND, NORTH ..	59	23	48·2	35·7	41.7	− 1·9	161	− 84	178	+38	37	− 4	5·37	137	− 4	5·1	+ 1·1	40	1009
10. IRELAND, SOUTH ..	62	25	49·6	37·1	43·0	− 2·0	202	−103	133	+28	36	0	4·99	126	− 25	4·9	+ 0·4	38	1010
11. ENGLISH CHANNEL..	63	31	50·4	41·8	45·9	− 0·9	273	− 65	24	− 11	43	+ 8	7·75	197	+80	4·6	− 0·8	36	1010
MEAN: DISTRICTS 1-10..	70	15	47·9	35·5	41·5	− 1·7	155	− 99	189	+23	36	+ 1	5·28	134	+14	4·5	+0·1	35	1009

THE YEAR. Aggregates, &c., for the Period of 17 Weeks, January 1st to April 29th, 1922.

0. SCOTLAND, NORTH ..	62	18	44·0	34·1	39·0	− 0·5	106	−103	470	− 42	79	− 4	14·87	379	− 72	2·8	+0·2	26	1006
Eastern.																			
1. SCOTLAND, EAST ..	61	8	43·3	32·5	37·8	− 1·4	108	−142	607	+19	76	+ 7	10·01	256	+27	2·9	− 0·2	27	1007
2. ENGLAND, N.E. ..	63	12	44·6	33·9	39·2	− 1·3	165	−124	499	+38	72	+ 8	8·35	213	+47	3·0	− 0·3	28	1009
3. ENGLAND, EAST ..	70	16	46·0	34·9	40·3	− 0·5	223	−126	423	− 60	69	+ 7	9·55	242	+78	3·4	0·0	31	1010
4. MIDLAND COUNTIES	67	11	45·8	33·7	39·7	− 1·1	208	−164	485	− 21	75	+13	11 12	282	+94	2·7	− 0·3	25	1010
5. ENGLAND, S.E. ..	68	17	47·3	36·4	41·8	− 0·2	284	−106	311	− 63	73	+12	11·10	282	+84	3·3	− 0·2	30	1011
Western.																			
6. SCOTLAND, WEST ..	62	15	46·0	34·3	40·0	− 1·0	199	− 92	434	+30	71	− 4	15·91	404	+31	—	—	—	1008
7. ENGLAND, N.W. ..	61	20	45·7	35·7	40·7	− 0·7	194	−115	355	− 21	70	+ 4	11·25	287	+34	3·5	+ 0·4	32	1009
8. ENGLAND, S.W. ..	62	13	47·6	37·0	42·3	− 0·5	294	−113	264	− 33	78	+11	15·00	384	+84	3·5	+ 0·1	32	1010
9. IRELAND, NORTH ..	59	22	47·4	36·8	42·0	− 0·2	274	− 79	274	− 59	83	+ 3	13·83	352	+58	3·7	+ 0·7	34	1007
10. IRELAND, SOUTH ..	62	23	49·0	38·0	43·4	− 0·2	372	− 93	201	− 56	79	+ 6	13·52	342	+19	3·6	+ 0·3	33	1009
11. ENGLISH CHANNEL..	63	28	49·9	42·0	45·9	+ 0·3	517	−14	50	− 55	85	+12	13·85	352	+101	3·5	− 0·5	32	1011
MEAN: DISTRICTS 1-10 ..	70	8	46·3	35·3	40·7	− 0·7	232	−115	385	− 23	75	+ 7	11·96	304	+55	3·3	+ 0·1	30	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
5th May, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE
15 MAY 1922
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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 18.

EIGHTEENTH WEEK.
SUNDAY, APRIL 30TH, TO SATURDAY, MAY 6TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather for the greater part of the week was of rather an unsettled type. Showers of rain and hail were of frequent occurrence. Thunderstorms occurred at several places, and "line squalls" were reported at one or two stations. The winds were mainly westerly or south-westerly and in places reached gale force. On Saturday, however, a large anticyclone covered France and the southern parts of the British Isles, and the weather was fine in all parts of England. Mean temperature for the week was below the normal in all districts. The highest of the maximum temperatures occurred on Saturday in most places when readings of 65°F. were recorded in some parts of England. Several screen minimum temperatures below 32°F. were registered during the earlier days of the week, amongst the lowest being 26°F. at Balmoral, 27°F. at Porton (Salisbury Plain) and 29°F. at Renfrew and Birr Castle (King's Co.), while grass temperatures of about 20°F. were recorded in many places. The mean daily range of temperature for the week was as much as 20°F. at some stations. The total rainfall was above the normal in Scotland N., Scotland W. and the English Channel, but below in most other districts. Amongst the heaviest falls of rain were 19mm. at Arlington (Devon) on the 3rd, 21mm. at Fort Augustus and also at Ford (Argyll) on the 4th, while Fort William had 23mm. on the 3rd, 25mm. on the 4th and 29mm. on the 6th, and a total for the week of 85mm. Several records of more than 12·0 hours of sunshine were recorded on various dates in many parts of the country. Amongst the largest amounts were 13·0 hours at Skegness on April 30th; 12·8 hours at Kilmarnock and 12·6 hours at Harrogate on May 2nd; 12·5 hours at Cranwell on the 4th; and 13·0 hours at Guernsey, 12·9 hours at Jersey, 12·7 hours at Kew and 12·6 hours at Wisley (Surrey) on the 6th. The mean departure from the normal for the week ranged from +2·5 hours at Newquay to —2·2 hours at Nottingham. Solar halos were observed at St. Leonard's on the 1st, Aberdeen on the 2nd, Dublin on the 5th, Birmingham and Ross-on-Wye on the 5th and 6th, and at Oxford on the 1st, 5th and 6th. Lunar halos were seen at Birmingham on the 4th, Dublin, Ross-on-Wye, Southport and Stonyhurst on the 5th, and at Oxford on the 5th and 6th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	8	14	6·1	17	13	5·6	11	7	3·1	11	8	3·5	18	11	5·1	1	7	3·1	19	9	4·1	16	13	5·9
North	19	10	4·6	4	9	4·2	9	6	2·6	7	5	2·2	10	12	5·3	8	3	1·2	6	4	1·7	10	9	4·1
West	21	11	4·7	21	14	6·2	19	9	3·9	22	7	3·2	27	10	4·3	12	7	3·3	23	13	5·7	21	11	5 0
East	6	7	3·1	0	—	—	6	5	2·1	0	—	—	0	—	—	1	1	0·3	3	2	1·1	6	3	1·2
Calm (or wind-speed < 4 m.p.h.)	0	—	—	3	—	—	3	—	—	5	—	—	0	—	—	12	—	—	1	—	—	1	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	3	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ..	Heavy	Moderate	Light	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy
	Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Abundant	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *10* weeks from Feb. 26th, 1922.	Warmth ..	3, 2, 5	2, 1, 7	2, 3, 5	2, 3, 5	1, 3, 6	1, 3, 6	2, 1, 7	2, 3, 5	1, 4, 5	1, 3, 6	1, 3, 6	1, 3, 6
	Rainfall ..	4, 1, 5	2, 6, 2	3, 3, 4	5, 4, 1	5, 4, 1	4, 5, 1	3, 2, 5	3, 5, 2	6, 2, 2	2, 6, 2	2, 4, 4	6, 3, 1
	Sunshine ..	6, 3, 1	3, 5, 2	1, 6, 3	2, 5, 3	1, 6, 3	2, 5, 3	—	3, 7, 0	4, 5, 1	6, 3, 1	4, 5, 1	1, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

1 mm. = ·04 (·0394) inch. 1000 mb. = 29·521 mercury inches. 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
	54	50	5th	37	1st	48·1	40·9	44·3	+2·0	7	0·96	24	+10										
	165	53	6th	37	3rd	48·9	39·3	43·8	+0·5	7	0·92	23	+10	Deerness	4·8	−0·6	30	—	—	—	—	—	—
a Islands	51	52	6th	35	2nd	49·6	40·4	44·7	+0·3	6	1·15	29	+12	Stornoway	6·6	+0·9	42	—	—	—	—	—	—
	37	51	6th	40	1, 2	48·4	42·6	45·3	—	6	0·46	12	—	Castlebay	6·1	—	40	—	—	—	—	—	—
	81	53	6th	35	3rd	50·0	38·6	44·0	0·0	5	0·48	12	−1										
	125	59	6th	31	3rd	52·4	39·4	45·5	−0·2	5	0·55	14	+2										
b, Main-	500	—	—	—	—	—	—	—	—	—	—	—	—										
land.	68	55	2nd	30	2nd	51·0	35·7	42·9	−2·4	6	1·67	42	+27										
	171	58	2nd	32	2nd	52·4	38·1	44·8	−1·8	5	3·36	85	+59										
1. SCOTLAND, E.																							
	82	61	6th	32	3rd	53·3	37·9	45·1	−0·5	6	0·31	8	−2	Nairn	6·5	—	42	—	—	—	—	—	—
	101	60	6th	36	2, 3	52·7	38·4	45·1	−0·8	3	0·39	10	−2	Gordon Castle	5·5	—	35	—	—	—	—	—	—
	46	60	6th	36	3rd	53·0	39·6	45·9	+0·6	4	0·33	8	−5	Aberdeen	5·2	−0·3	33	2	24	—	—	43·0	−1·0
	930	58	6th	26	3rd	49·3	33·7	41·0	−1·8	4	0·21	5	−9	Balmoral	—	—	—	—	23	—	—	—	—
	432	56	2nd	32	2, 3	52·1	36·7	43·9	−2·8	6	0·72	18	+4	Crathes	4·8	−0·3	31	3	25	43·3	—	42·1	—
	244	58	5, 6	32	2, 3	54·3	36·9	45·1	−1·0	6	0·34	9	−3	Dundee	5·3	—	34	2	24	45·9	—	—	—
	190	55	6th	37	2nd	50·9	41·1	45·7	—	6	0·44	11	—	Inchkeith (F. of Forth)	6·1	—	40	0	32	—	—	—	—
	441	56	6th	36	1, 2	51·3	38·6	44·6	−0·9	4	0·59	15	+5	Edinburgh	7·0	+2·1	46	0	31	—	—	—	—
	769	54	4th	28	3rd	50·4	31·9	40·6	−2·7	7	1·00	25	—	West Linton	—	—	—	3	22	—	—	—	—
	498	56	5th	33	3rd	51·4	36·7	43·6	−1·5	3	0·14	4	−10	Marchmont	4·8	−0·2	31	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
	149	56	6th	30	2nd	52·6	37·9	44·8	—	4	1·99	51	—	Ford (Argyll)	—	—	—	2	25	45·4	—	44·1	—
	49	55	30, 5, 6	29	2nd	53·3	37·3	44·8	—	6	1·07	27	—	Renfrew	4·8	—	31	3	21	—	—	—	—
	200	53	30, 5	36	2nd	51·7	39·3	45·1	−2·1	7	1·24	32	+11	Rothesay	4·1	—	27	2	28	46·1	—	45·0	−1·1
	90	57	6th	32	2nd	53·3	37·9	45·1	−1·3	6	1·29	33	+16	Kilmarnock	4·6	—	30	—	—	45·4	—	44·7	—
	170	56	30th	30	2nd	52·4	39·3	45·5	−1·1	6	0·51	13	−5	Colmonell	—	—	—	1	27	—	—	—	—
	160	54	3, 5	32	2nd	51·3	36·9	43·7	−3·7	7	0·69	18	+1	Dumfries	3·7	—	24	4	22	45·2	−2·9	44·5	−1·9
	794	52	30, 2, 5	24	30th	49·1	31·6	39·8	—	7	1·52	39	—	Eskdalemuir	4·2	—	28	4	21	—	—	—	—
b, I. OF MAN h Douglas	284	56	5th	36	2nd	51·3	41·0	45·8	−1·2	7	0·28	7	−10	Douglas	5·1	−1·4	34	0	32	—	—	—	—
2. ENGLAND, N.E.																							
	210	59	6th	31	2nd	53·7	37·6	45·2	−0·6	4	0·25	6	−7	Cockle Park	6·2	+0·7	41	3	24	43·4	−2·5	43·4	−1·4
	118	58	5th	31	30th	54·0	38·9	46·0	+0·3	3	0·09	2	−9	Tynemouth	—	—	—	2	30	—	—	—	—
	336	57	6th	30	30th	53·0	36·1	44·0	−2·0	3	0·24	6	−5	Durham	5·8	+0·6	38	5	20	—	—	—	—
a North	249	60	6th	32	30th	54·3	38·1	45·7	−0·1	3	0·12	3	−9	Rounton	—	—	—	5	20	44·7	—	—	—
	605	64	6th	30	30th	54·4	37·3	45·3	—	3	0·18	5	—	West Witton	—	—	—	4	26	43·8	—	41·3	—
	118	62	6th	37	2nd	56·3	40·9	48·1	+1·3	3	0·07	2	−9	Scarborough †	8·2	+2·3	54	—	—	—	—	46·9	—
	56	62	6th	32	2nd	55·3	38·6	46·5	−1·8	2	0·03	1	−10	York	5·5	+0·3	36	—	—	46·2	−1·7	45·0	−0·9
	26	62	6th	38	2nd	54·7	40·6	47·2	+0·1	3	0·14	4	−4	Spurn Head	7·3	—	48	—	—	—	—	—	—
b, South	58	63	6th	33	30th	57·1	38·6	47·3	−1·6	3	0·53	13	+3	Lincoln	—	—	—	0	32	45·7	−3·0	45·4	−0·8
	237	62	6th	31	30th	56·0	37·3	46·1	−2·3	6	0·20	5	−6	Cranwell	7·7	+1·5	52	2	25	—	—	—	—
														Skegness	8·0	+1·5	53	—	—	—	—	—	—
3. ENGLAND, E.																							
	196	64	6th	38	30th	55·9	40·1	47·5	−0·1	4	0·42	11	+2	Cromer	7·9	+1·5	53	—	—	—	—	—	—
	277	62	6th	36	30th	55·6	38·7	46·6	−0·9	5	0·50	13	+2	Lit Massingham	7·3	+1·1	49	—	—	—	—	—	—
	13	63	6th	34	30th	55·4	39·3	46·9	−0·4	3	0·24	6	−4	Yarmouth	8·4	—	56	0	33	48·3	−2·8	47·4	−1·7
	93	65	6th	33	2nd	57·3	38·1	47·1	−1·5	4	0·19	5	−6	Norwich	7·6	—	50	3	28	47·8	—	—	—
	37	65	6th	30	1st	56·6	36·4	45·9	−2·1	3	0·30	8	−2	Geldeston	7·1	+0·5	47	—	—	—	—	—	—
	41	66	6th	35	3rd	58·1	38·7	47·8	−1·3	4	0·48	12	+2	Cambridge	6·5	+0·2	44	1	30	49·1	−1·3	47·4	−0·6
	54	60	4th	38	30th	54·9	41·6	47·9	−0·2	3	0·26	7	−1	Clacton-on-Sea	6·9	−0·3	46	0	34	48·4	−1·5	47·9	−0·9
	420	63	6th	34	3rd	54·7	37·7	45·7	−2·4	4	0·49	12	+1	Rothamsted	5·3	−0·8	36	4	26	45·5	—	—	—
	51	65	6th	37	30th	56·6	42·0	48·9	—	3	0·27	7	—	Tottenham	5·3	—	36	—	—	—	—	—	—
														Southend	5·2	—	35	0	37	47·4	—	—	—
4. MIDLAND COUNTIES.																							
	479	61	6th	32	2nd	53·6	37·1	44·9	−1·3	2	0·13	3	−10	Harrogate	5·7	+0·1	38	2	29	44·4	−1·7	44·4	−1·0
North	429	63	6th	36	2nd	53·6	39·1	45·9	—	4	0·25	6	—	Sheffield	5·5	+0·3	36	0	32	43·4	−3·7	42·7	−1·9
	987	57	6th	31	2nd	49·6	35·9	42·3	−2·8	4	0·17	4	−15	Buxton	4·3	—	29	3	24	42·4	−4·2	41·7	−2·1
	56	64	6th	30	30th	57·9	37·4	47·0	−1·0	2	0·38	10	−2	Worksop	5·8	+0·7	38	3	23	47·1	—	46·0	—
	82	63	6th	33	30th	55·6	38·7	46·6	−1·8	4	0·49	13	+2	Nottingham	3·4	−2·2	23	2	24	46·3	−2·0	43·7	−1·9
b, East	525	63	6th	36	30th	54·0	38·6	45·8	−2·5	5	0·95	24	+11	Birmingham	4·5	−0·1	30	1	30	43·1	−2·8	44·0	−1·1
	213	65	6th	34	3rd	56·6	39·0	47·3	−1·5	3	0·25	6	−7	Raunds	5·7	—	38	1	28	47·4	—	—	—
	208	65	6th	37	30, 1	56·6	40·3	48·0	−1·4	3	0·30	8	−3	Oxford	6·0	0·0	40	2	29	—	—	—	—
														Malvern	5·6	—	38	0	34	47·3	—	46·1	—
	646	61	6th	34	30th	54·0	36·7	44·8	−2·2	5	0·54	14	+1	Cheadle	—	—	—	6	21	—	—	—	—
c, West	313	63	6th	33	1st	55·6	37·9	46·2	−1·8	5	0·82	21	+11	Tenbury	—	—	—	3	28	47·5	—	—	—
	291	58	30, 5	35	1st	55·9	38·1	46·5	−2·4	4	0·48	12	0	Ross on Wye	5·3	—	36	0	31	47·9	—	46·8	—
	225	63	6th	36	30, 2, 3	54·1	40·0	46·6	−3·9	4	0·45	12	−1	Clifton	6·1	—	41	0	32	—	—	—	—
5. ENGLAND, S.E.																							
	424	63	6th	30	1st	55·1	36·9	45·5	−2·4	4	0·38	10	−1	Worthing	7·5	+0·4	51	0	31	49·1	−2·6	47·8	−1·1
	340	62	6th	27	1st	56·1	33·3	44·0	—	3	0·24	6	—	Marlborough	5·9	+0·3	40	3	28	47·4	—	46·6	—
	150	65	6th	30	30th	56·7	38·9	47·3	−2·0	4	0·39	10	+1	Porton	—	—	—	4	22	47·2	—	—	—
	354	59	6th	32	30th	55·3	37·3	45·8	−3·3	3	0·39	10	−1	Wisley, Surrey	6·5	+0·2	43	4	22	48·2	−1·6	46·6	−1·0
	51	61	6th	39	2nd	55·3	42·3	48·4	−1·0	4	0·51	13	+4	Tunbridge Wells	5·5	−1·0	37	6	21	47·3	—	46·8	—
														Margate	6·7	+0·3	45	0	36	49·6	−0·5	48·6	+0·4
	21	59	5th	37	30, 1, 2	54·7	41·6	47·8	−1·0	3	0·19	5	−2	Folkestone	7·0	—	47	0	35	—	—	47·4	—
	178	55	5th	38	30, 2	52·7	41·4	46·7	−2·7	5	0·30	8	−1	St. Leonards	6·9	−0·4	46	0	32	49·7	—	47·5	—
	64	62	6th	36	1st	57·4	40·3	48·3	−2·8	3	0·33	8	−3	Southampton	7·0	+0·3	47	4	26	—	—	—	—
	59	58	6th	39	30, 2	55·7	42·4	48·7	−1·7	3	0·39	10	0	Ventnor	8·1	+1·2	55	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	64	6th	38	30th	56·2	41·2	48·3	−1·7	4	0·47	12	+3	Richmond	6·2	0·0	42	1	27	48·0	−1·9	47·1	−0·7
a Westminster	27	65	6th	39	3rd	57·7	42·7	49·8	−1·0	4	0·35	9	0	Westminster	5·0	−0·3	33	0	31	—	—	—	—
ac Greenwich	149	66	6th	38	30, 1, 3	58·3	40·1	48·7	−1·8	6	0·52	13	+4	Greenwich	5·3	−0·8	36	4	27	—	—	—	—
a Hampstead	450	63	6th	38	1st	54·9	40·0	47·0	—	4	0·39	10	—	Hampstead	5·5	—	37	3	26	—	—	—	—
a Camden Square	110	66	6th	39	30th	57·9	41·7	49·3	−2·2	3	0·37	9	−1	Camden Square	—	—	—	0	33	47·0	—	46·1	—
7. a, ENGLAND, N.W.																							
	487	52	5th	33	2nd	49·0	37·4	42·9	−3·8	6	0·80	20	+3	Aspatria	3·6	−2·0	23	1	30	44·9	−3·1	44·6	−1·0
	559	54	5, 6	29	2nd	51·7	36·7	43·8	−2·3	4	0·46	12	−5	Newton Rigg	4·6	−1·0	30	4	25	—	—	—	—
	375	59	6th	31	30th	51·7	38·3	44·6	−2·5	5	0·57	15	−5	Stonyhurst	3·6	−1·9	24	2	28	—	—	—	—
	66	55	6th	33	2nd	51·6	41·1	46·0	−1·5	4	0·72	18	+3	Blackpool	5·8	−0·6	38	1	30	47·2	—	45·7	—
	37	57	6th	34	2nd	51·6	41·1	46·0	−1·9	4	0·39	10	−5	Southport	6·6	+0·3	44	1	27	49·1	−1·4	47·6	−0·8
														Hoylake	6·4	+0·6	42	—	—	—	—	—	—
	188	58	6th	38	2nd	52·9	41·3	46·8	−1·7	4	0·22	6	−7	Liverpool	6·1	—	40	0	33	—	—	—	—
	22	64	6th	38	3rd	55·0	41·7	48·0	−1·1	4	0·20	5	−7	Manchester City	3·1	−1·6	20	—	—	43·2	−4·3	44·2	−2·5
	125	62	6th	35	30, 2	53·9	39·1	46·1	−3·1	3	0.41	10	−5	,, Whit. Pk.	3·4	−1·1	22	—	—	—	—	—	—
b. NORTH WALES.																							
	22	59	6th	41	3rd	53·0	43·0	47·7	−1·0	5	0·23	6	−7	Llandudno	6·3	−0·1	41	—	—	—	—	—	—
	15	55	5th	42	30, 1, 2	51·7	44·0	47·6	−0·3	3	0·09	2	−12	Holyhead	7·0	—	47	0	40	—	—	—	—
	60	57	6th	36	30th	52·0	42·7	47·1	—	5	0·79	20	—	Aberdovey	5·8	−0·1	39	1	28	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked g a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.									
h Aberystwyth	16	55	6th	33	30th	51·3	42·0	46·4	—	4	0·83	21	—	Aberystwyth	Hr. 5·8	Hr. 0·0	% 38	°F. —	°F. —	°F. —	°F. —	°F. —	°F. —
a Rhayader	757	—	—	—	—	—	—	—	—	—	—	—	—	Rhayader ..	—	—	—	—	—	—	—	—	—
t Pembroke	149	52	6th	39	30, 2	50·0	43·0	46·3	- 1·5	3	0·35	9	- 4	Pembroke ..	7·7	+1·4	52	—	—	—	—	—	—
p Cardiff	202	64	6th	37	2nd	54·4	41·4	47·5	- 1·3	4	0·51	13	- 4	Cardiff ..	6·9	—	47	1	29	47·8	- 2·6	46·3	- 1·4
b, ENGLAND, S.W.																							
h Bath	66	62	6th	34	30th	55·9	40·3	47·6	- 1·8	5	0·25	6	- 7	Bath	5·5	- 0·6	37	—	—	48·4	—	47·5	—
a Shaftesbury	722	58	6th	33	2nd	54·0	37·9	45·5	- 2·4	4	0·40	10	- 5	Shaftesbury ..	—	—	—	—	—	47·3	—	46·7	—
a Arlington	613	61	6th	35	30, 2	52·4	40·3	46 0	- 1·6	4	1·25	32	+12										
h Newquay	190	61	6th	39	30th	52·5	44·3	48·2	- 1·0	4	0·56	14	+ 2	Newquay ..	8·9	+2·5	60	—	—	49·6	—	48·8	—
a Cullompton	202	64	6th	33	30, 2	57·0	39·9	47·9	- 1·5	3	0·44	11	- 4	Cullompton ..	7·1	+1·3	48	3	25	49·2	—	—	—
t Portland Bill	19	54	6th	39	30, 3	51·0	40·6	45·5	- 3·4	2	0·30	8	- 3	Weymouth ..	8·0	—	54	—	—	—	—	—	—
p Plymouth	116	59	4th	37	30th	55·6	43·4	49·1	- 1·0	3	0·49	12	- 2	Plymouth ..	8·1	+1·8	55	2	30	49·8	- 2·3	48·6	—
h Falmouth	167	58	6th	39	30th	54·9	43·3	48·8	- 0·6	4	0·53	13	- 3	Falmouth ..	9·1	+2·4	62	0	32	51·7	—	50·7	—
9. IRELAND, N.																							
t Malin Head	71	58	6th	34	5th	50·4	39·7	44·7	- 2·2	5	0·28	7	- 7	Malin Head ..	6·5	—	42	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	58	6th	37	2nd	52·7	42·1	47·1	- 1·2	—	—	—	—										
a Mallarany	120	56	5, 6	36	30, 2	53·4	41·3	47·0	—	6	1·50	38	—	Mallarany ..	5·1	—	34	2	28	—	—	—	—
p Markree Castle..	122	62	6th	30	2nd	55·3	39·4	46·9	- 0·5	7	0·42	11	- 9	Markree Castle	5·8	+0·6	38	2	26	48·1	- 2·4	46·7	- 0·7
p Armagh..	204	58	3rd	33	2nd	54·9	39·4	46·7	- 1·0	5	0·31	8	- 9	Armagh ..	5 0	0·0	33	2	26	47·1	- 2·4	45·9	- 1·4
b, East .. *t* Donaghadee	35	57	5th	37	2nd	53·6	40·7	46·8	- 0·6	6	0·89	23	+ 7										
														Trinity Coll. Phœnix Park	— 6·8	— +0·1	— 45	2	24	47·2 —	- 2·9 —	46·6 —	- 1·8 —
10. IRELAND, S.																							
p Dublin City	54	59	3, 6	36	30, 2	55·3	41·9	48·2	- 1·4	4	0·19	5	- 9	Dublin City ..	—	—	—	0	31	—	—	—	—
t Birr Castle	175	58	6th	29	2nd	54·4	39·1	46·3	- 1·8	6	0·44	11	- 4	Birr Castle ..	5·2	- 0·9	35	2	22	—	—	—	—
a Kilkenny	195	—	—	—	—	—	—	—	—	4	0·33	8	- 7										
a Waterford	137	60	3rd	35	2nd	55·0	40·6	47·4	- 2·0	5	0·67	17	+ 1										
p Seskin, Carrick-on-Suir	542	59	3rd	34	2nd	54·0	38·9	46·0	—	7	0·51	13	—	Seskin ..	5·6	—	37	1	29	—	—	—	—
a Foynes	50	60	6th	36	30th	53·7	41·1	47·0	- 2·4	6	0·58	15	- 1										
t Cahirciveen (Val. Obs.)	30	55	5, 6	39	30th	52·4	44·4	48·2	- 1·4	7	1·11	28	+ 5	Cahirciveen ..	5·1	- 1·5	34	0	34	—	—	—	—
a Killarney	174	60	3rd	35	30th	56·1	42·4	48·8	- 0·5	6	1·02	26	+ 5	Ballinacurra	4·8	- 2·0	32	—	—	—	—	—	—
t Roche's Point	32	58	3rd	39	30th	53·3	43·3	48·0	- 1·2	6	0·86	22	+ 5										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	56	5th	41	30th	53·4	45·1	49·0	- 1·0	5	0·61	16	+ 4	Scilly ..	7·8	+1·0	53	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	61	6th	40	2nd	54·6	44·0	49·0	- 2·3	4	0·88	22	+ 9	St. Heliers ..	9·1	+1·8	62	—	—	—	—	—	—
p Guernsey† ..	173	58	6th	41	1st	54·7	44·4	49·2	- 2·1	4	0·65	17	+ 5	Guernsey ..	9·4	+2·0	64	0	38	51·2	- 1·2	49·6	- 0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 6th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	29, 2, 4, 5	20	89	55	4	0	300	34	15	5	11	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	5	147	16	0	210	14	6	4	18	34	15	5	12	30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	37	122	9	0	{280	21	9	5	10	—	—	—	—	—
Edinburgh	485	39	31	—	0	3 to 6	26	64	61	17	0	{300	37	17	5	13}	59	26	5	1	0
												220			4	23					
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	4	2	4 to 6	28	51	34	53	0	230	40	18	4	23	56	25	4	22	45
Paisley	188	81	15	—	0	—	0	65	80	23	0	230	23	11	4	22	55	25	5	0	20
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	43	110	15	0	?220	22	10	5	2	44	20	5	14	20
South Shields	72	61	12	—	0	4 to 6	9	64	79	16	0	280	31	14	5	13	50	22	5	13	15
Spurn Head	67	41	‡	—	0	4, 5	8	60	94	6	0	260	32	15	4	15	49	22	4	17	25
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	52	100	16	0	200	22	10	3	17	40	18	4	17	50
Shoeburyness	103	90	‡	—	0	3, 5	7	51	85	22	3	{250	31	14	5	11	50	22	5	{11	20}
												{290				13}				{12	50}
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	4, 5	4	42	78	44	0	320	28	12	5	10	47	21	5	9	45
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	37	92	24	15	—	24	11	5	11	40	18	5	10	45
Larkhill, S'y Plain ..	513	63	43	5	2	4, 5	9	69	88	0	0	290	43	19	5	8	58	26	5	8	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	25	96	47	0	260	22	10	5	10	48	22	5	10	10
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	4, 5	10	85	62	11	0	250	31	14	5	10	—	—	—	—	—
Southport	80	62	48	—	0	4 to 6	37	62	60	9	0	270	36	16	5	10	45	20	4	15	20
Holyhead	60	40	‡	—	0	4 to 6	14	113	41	0	0	190	27	12	6	9	43	19	4	14	10
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	3 to 5	18	93	48	7	2	240	36	16	5	4	54	24	5	4	20
Plymouth	185	88	2	—	0	5	2	57	85	24	0	—	29	13	5	5	49	22	5	4	55
Lyme Regis	556	61	‡	—	0	—	0	9	59	100	0	—	22	10	5	6	33	15	5	5	50
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	3 to 5	21	78	63	6	0	240	34	15	4	12	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	3	14	104	34	16	0	—	30	13	3	10	57	26	3	10	20
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	4, 6	17	111	34	6	0	190	29	13	6	4	47	21	4	5	55
Weaver Pt.	160	30	‡‡‡‡			Instrument	under	repair.													
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	8	80	66	14	250	21	9	5	3	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡ Standard mounting.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1922—April 30th to May 6th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	59	30	50·6	38·9	44·4	− 0·6	25	− 10	9	− 1	6	+ 1	1·36	34	+16	5·7	+0·7	36	1004
Eastern.																			
1. SCOTLAND, EAST ..	61	26	51·6	37·2	44·0	− 1·5	27	− 14	13	+ 2	5	+ 1	0·46	12	− 1	5·6	+0·5	36	1006
2. ENGLAND, N.E. ..	63	30	54·9	38·5	46·2	− 0·5	39	− 2	10	+ 5	3	− 1	0·19	5	− 6	6·9	+1·0	45	1011
3. ENGLAND, EAST ..	66	30	56·2	39·2	47·2	− 1·1	44	− 8	8	+ 3	4	0	0·35	9	− 1	6·9	+0·5	46	1013
4. MIDLAND COUNTIES	65	30	55·4	38·4	46·4	− 1·7	41	− 11	10	+ 3	4	+ 1	0·48	12	0	5·3	− 0·3	35	1013
5. ENGLAND, S.E. ..	65	27	55·5	39·6	47·1	− 2·3	42	− 13	7	+ 5	4	+ 1	0·36	9	− 1	6·7	+0·2	46	1014
Western.																			
6. SCOTLAND, WEST ..	57	29	52·3	38·5	45·0	− 1·9	31	− 12	10	+ 5	6	+ 2	1·01	26	+ 6	—	—	—	1009
7. ENGLAND, N.W. ..	64	29	52·3	40·3	45·9	− 1·8	32	− 12	5	+ 2	4	0	0·39	10	− 6	5·2	− 0·5	35	1012
8. ENGLAND, S.W. ..	64	33	53·9	41·2	47·1	− 1·7	38	− 12	2	0	4	0	0·50	13	− 3	7·4	+1·5	50	1015
9. IRELAND, NORTH ..	62	29	53·6	40·1	46·4	− 1·2	36	− 8	5	+ 2	6	+ 1	0·61	15	− 3	5·4	+0·3	35	1010
10. IRELAND, SOUTH ..	60	29	54·4	41·4	47·5	− 1·6	40	− 12	2	+ 1	6	+ 2	0·65	17	− 1	6·0	− 0·6	40	1014
11. ENGLISH CHANNEL..	61	40	54·2	44·5	49·1	− 1·6	50	− 11	0	0	4	0	0·71	18	+ 5	8·7	+1·5	59	1017
MEAN: DISTRICTS 1-10	66	26	54·0	39·4	46·3	− 1·5	37	− 10	7	+ 3	5	+ 1	0·50	13	− 2	6·2	+0·3	41	1012

THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, February 26th to May 6th, 1922.

0. SCOTLAND, NORTH ..	62	21	46·1	34·6	40·1	− 1·1	115	− 76	248	+11	45	− 2	7·59	193	− 25	4·3	+0·5	33	1008
Eastern.																			
1. SCOTLAND, EAST ..	61	15	46·4	33·3	39·6	− 1·8	125	−110	295	+30	42	+ 1	5·23	135	+ 7	4·2	0·0	33	1008
2. ENGLAND, N.E. ..	63	23	47·6	35·2	41·1	− 1·6	163	− 97	222	+29	40	+ 2	4·15	106	+ 6	4·4	− 0·2	34	1009
3. ENGLAND, EAST ..	70	22	48·8	36·4	42·3	− 1·3	205	−120	184	− 11	40	+ 5	4·67	118	+23	4·7	− 0·1	36	1010
4. MIDLAND COUNTIES	67	22	48·5	35·0	41·5	− 2·0	187	−152	225	+14	43	+ 9	6·35	162	+56	3·7	− 0·6	28	1010
5. ENGLAND, S.E. ..	68	20	49·4	37·4	43·2	− 1·5	232	−113	152	+ 8	40	+ 6	6·13	155	+48	4·4	− 0·5	34	1010
Western.																			
6. SCOTLAND, WEST ..	62	20	48·7	34·4	41·3	− 1·6	191	− 67	243	+64	33	− 8	6·36	162	− 27	—	—	—	1009
7. ENGLAND, N.W. ..	64	23	47·6	36·5	41·8	− 1·7	163	−110	178	+22	36	− 1	5·04	129	− 8	4·9	+ 0·5	38	1010
8. ENGLAND, S.W. ..	64	20	48·9	37·4	42·9	− 1·9	210	−121	149	+29	43	+ 6	8·21	211	+52	5·1	+ 0·4	39	1010
9. IRELAND, NORTH ..	62	23	48·8	36·1	42.2	− 1·8	197	− 92	183	+40	43	− 3	5·98	152	− 7	5·1	+ 1·0	40	1009
10. IRELAND, SOUTH ..	62	25	50·1	37·5	43·4	− 2·0	242	−115	135	+29	42	+ 2	5·64	143	− 26	5·0	+ 0·3	38	1011
11. ENGLISH CHANNEL..	63	31	50·8	42·1	46·3	− 0·9	323	− 76	24	− 11	47	+ 8	8·46	215	+85	5·0	− 0·6	39	1011
MEAN: DISTRICTS 1-10..	70	15	48·5	35·9	41·9	− 1·7	192	−110	197	+25	40	+ 2	5·78	147	+12	4·6	+0·1	36	1010

THE YEAR. Aggregates, &c., for the Period of 18 Weeks, January 1st to May 6th, 1922.

0. SCOTLAND, NORTH ..	62	18	44·4	34·4	39·3	− 0·5	131	−113	479	− 43	85	− 3	16·23	413	− 56	2·9	+0·2	27	1006
Eastern.																			
1. SCOTLAND, EAST ..	61	8	43·8	32·7	38·1	− 1·5	135	−156	620	+21	81	+ 8	10·47	268	+26	3·0	− 0·2	28	1007
2. ENGLAND, N.E. ..	63	12	45·2	34·2	39·6	− 1·2	204	−126	509	+43	75	+ 7	8·54	218	+41	3·2	− 0·3	29	1009
3. ENGLAND, EAST ..	70	16	46·5	35·1	40·7	− 0·5	267	−134	431	− 57	73	+ 7	9·90	251	+77	3·5	− 0·1	32	1010
4. MIDLAND COUNTIES	67	11	46·4	34·0	40·1	− 1·1	249	−175	495	− 18	79	+14	11·60	294	+94	2·9	− 0·3	26	1010
5. ENGLAND, S.E. ..	68	17	47·7	36·6	42·1	− 0·3	326	−119	318	− 58	77	+13	11·46	291	+83	3·5	− 0·3	31	1011
Western.																			
6. SCOTLAND, WEST ..	62	15	46·3	34·6	40·3	− 1·0	230	−104	444	+35	77	− 2	16·92	430	+37	—	—	—	1008
7. ENGLAND, N.W. ..	64	20	46·1	36·0	41·0	− 0·8	226	−127	360	− 19	74	+ 4	11·64	297	+28	3·6	+ 0·4	32	1009
8. ENGLAND, S.W. ..	64	13	48·0	37·3	42·5	− 0·6	332	−125	266	− 33	82	+11	15·50	397	+81	3·7	+ 0·1	33	1010
9. IRELAND, NORTH ..	62	22	47·7	37·0	42·2	− 0·3	310	− 87	279	− 57	89	+ 4	14.44	367	+55	3·8	+ 0·7	34	1007
10. IRELAND, SOUTH ..	62	23	49·3	38·2	43·7	− 0·2	412	−105	203	− 55	85	+ 8	14·17	359	+18	3·7	+ 0·2	33	1009
11. ENGLISH CHANNEL..	63	28	50·2	42·2	46·1	+ 0·3	567	−25	50	− 55	89	+12	14·56	370	+106	3·9	− 0·3	34	1011
MEAN: DISTRICTS 1-10 ..	70	8	46·7	35·6	41·0	− 0·8	269	−126	393	− 20	79	+ 7	12·46	317	+54	3·4	0·0	31	1009
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
12th May, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
22 MAY 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 73

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 19.

NINETEENTH WEEK.
SUNDAY, MAY 7TH, TO SATURDAY, MAY 13TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions were maintained over the British Islands throughout the week, and the weather was fine and sunny. Showers of rain occurred in places and at a few stations hail was reported, but with the exception of 16mm. at Fort William and 15mm. at Stornoway on the first day of the period, the measurements were very slight, in fact at a number of stations the week was rainless. The week was notable for the rapid changes in temperature. Maximum temperatures were unusually high in most parts of England and Ireland during the early part of the week, readings between 75°F. and 80°F. occurring in several places, amongst the highest being 81°F. in London and 80°F. at Benson, South Farnborough and Cullompton (Devon). During the latter part of the week temperature became much lower; the drop in the maxima between Monday and Friday at a number of stations was as much as 30°F. The lowest of the screen minimum temperatures for the week occurred generally on the 12th or 13th, and several stations recorded readings considerably below the freezing point, while the grass thermometer registered readings as low as 15°F. at Rhayader (Radnor) and 18°F. at Porton (Salisbury Plain) and Wisley (Surrey). Mean temperature for the week was above the normal in all the English and Irish districts, but in the Scottish districts it was below. The mean daily range of temperature for the week varied a good deal, but at some stations it exceeded 20°F. The mean amount of sunshine for the week was above the normal in nearly all districts. The mean departure from the normal ranged from +4·3 hours at Phoenix Park to —3·3 hours at Deerness. Amongst the largest amounts recorded were 14·0 hours at Jersey, 13·8 hours at Clifton, 13·7 hours at Marlborough, 13·6 hours at Portsmouth, Malvern and also in London on the 7th, 14·6 hours at Rhyl, 13·0 hours at Oxford on the 8th and more than 14·0 hours at Aberystwyth, Blackpool, Llandudno, Seskin (Carrick-on-Suir) and Southport on the 13th. Good visibility was observed at some of the Kent coast stations during the week, the French coast being plainly seen from Folkestone. Solar and also lunar halos were observed on various dates at a number of stations in different parts of the country.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	10	10	4·6	13	9	4·2	5	5	2·4	8	4	1·6	8	13	5·9	—	—	—	10	5	2·4	7	11	4·8
North	16	14	6·1	8	7	3·1	16	9	4·0	10	6	2·6	19	8	3·4	—	—	—	12	9	3·9	13	8	3·7
West	25	12	5·4	13	13	5·9	9	6	2·6	8	4	1·6	12	5	2·3	—	—	—	7	6	2·8	5	6	2·7
East	2	4	1·7	8	4	1·9	13	8	3·5	14	8	3·6	13	7	2·9	—	—	—	15	4	2·0	13	5	2·2
Calm (or wind-speed < 4 m.p.h.)	1	—	—	5	—	—	4	—	—	6	—	—	1	—	—	—	—	—	5	—	—	8	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Very Unusual
	Rainfall ..	Moderate	Light	Very Light	Light	Very Light	Very Light	Light	Very Light	Very Light	Very Light	Very Light	Light
	Sunshine ..	Scanty	Moderate	Moderate	Abundant	Moderate	Abundant	—	Abundant	Abundant	Moderate	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *11* weeks from Feb. 26th, 1922.	Warmth ..	3, 2, 6	2, 2, 7	3, 3, 5	2, 4, 5	1, 4, 6	1, 4, 6	2, 2, 7	2, 4, 5	2, 4, 5	1, 4, 6	2, 3, 6	2, 3, 6
	Rainfall ..	4, 2, 5	2, 6, 3	3, 3, 5	5, 4, 2	5, 4, 2	4, 5, 2	3, 2, 6	3, 5, 3	6, 2, 3	2, 6, 3	2, 4, 5	6, 3, 2
	Sunshine ..	6, 3, 2	3, 6, 2	1, 7, 3	3, 5, 3	1, 7, 3	3, 5, 3	—	4, 7, 0	5, 5, 1	6, 4, 1	5, 5, 1	2, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in	mm	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	51	7th	32	9th	46·4	36·7	41·3	- 2·3	5	0·46	12	- 1										
p Deerness, Orkney	165	55	7th	34	13th	46·7	37·9	42·0	- 2·5	5	0·28	7	- 5	Deerness	2·2	- 3·3	14	—	—	—	—	—	1
a Islands — Stornoway	51	52	7, 8	35	12th	48·7	40·1	44·1	- 1·5	6	0·92	23	+ 7	Stornoway	4·9	- 1·2	29	—	—	—	—	—	—
t Castlebay, Barra I.	37	52	8th	39	12th	48·7	43·1	45·7	—	2	0·06	1	—	Castlebay	6·6	—	41	—	—	—	—	—	—
t Wick	81	62	7th	32	10th	48·7	38·3	43·2	- 2·0	5	0·16	4	- 9										
a Strathpeffer	125	64	7th	34	12th	52·9	39·7	45·9	- 1·2	1	0·12	3	- 8										
p Glenearron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	59	7th	30	12th	51·3	35·6	43·0	- 3·7	3	0·23	6	- 9										
p Fort William	171	58	9th	33	11th	55·4	40·6	47·6	- 0·4	2	0·88	22	- 2										
1. SCOTLAND, E.					10, 11,																		
t Nairn	82	66	7th	37	12, 13	53·9	39·9	46·5	- 0·7	5	0·17	4	- 7	Nairn	4·7	—	29	—	—	—	—	—	—
p Gordon Castle	101	67	7th	37	12th	53·4	41·3	47·0	- 0·5	2	0·05	1	- 11	Gordon Castle	5·1	—	31	—	—	—	—	—	—
t Aberdeen	46	65	7th	34	12th	53·3	41·4	47·0	+0·2	2	0·08	2	- 12	Aberdeen	4·4	- 1·6	27	1	28	—	—	44·1	- 0·7
a Balmoral	930	63	7th	30	11th	51·0	37·4	43·8	- 0·7	3	0·11	3	- 11	Balmoral	—	—	—	3	27	—	—	—	—
p Crieff	432	63	7th	34	11th	55·7	38·4	46·5	- 1·9	2	0·04	1	- 13	Crathes	4·7	- 0·7	30	2	28	46·3	—	43·0	—
a Dundee	244	63	8th	30	12th	55·9	37·4	46·1	- 1·7	1	0·04	1	- 11	Dundee	5·5	—	34	4	23	47·6	—	—	—
														Inchkeith (F. of Forth)	5·5	—	33	0	33	—	—	—	—
t Inchkeith (F. of Forth)	190	59	7th	39	12th	52·1	42·7	47·1	—	1	0·02	0·4	—										
p Edinburgh	441	61	7th	37	12th	52·7	41·4	46·7	- 0·3	1	0·04	1	- 9	Edinburgh	6·8	+1·3	43	1	30	—	—	—	—
a West Linton	769	57	9, 10	30	13th	52·9	36·1	44·0	- 1·0	3	0·14	4	—	West Linton	—	—	—	2	25	—	—	—	—
a Marchmont	498	64	8th	33	7th	54·1	37·0	45·0	- 1·7	0	0·00	0	- 14	Marchmont	5·6	+0·1	35	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	60	7th	33	10th	54·5	39·8	46·7	—	3	0·34	9	—	Ford (Argyll)	—	—	—	2	28	48·9	—	45·3	—
t Renfrew	49	62	7th	35	10, 13	55·7	41·1	48·0	—	1	0·04	1	—	Renfrew	6·0	—	38	3	25	—	—	—	—
p Rothesay	200	62	7th	38	9th	54·0	41·1	47·2	- 1·7	5	0·17	4	- 13	Rothesay	6·2	—	39	1	30	49·9	—	46·4	- 0·5
a Kilmarnock	90	65	7th	30	13th	57·9	40·6	48·7	+0·4	1	0·02	0·4	- 14	Kilmarnock	6·6	—	42	—	—	48·5	—	45·5	—
a Colmonell	170	63	7th	31	13th	57·3	38·1	47·1	- 1·3	0	0·00	0	- 14	Colmonell	—	—	—	2	29	—	—	—	—
p Dumfries	160	65	8th	31	13th	56·4	40·0	47·7	- 1·6	0	0·00	0	- 14	Dumfries	7·2	—	46	1	21	48·7	- 1·0	45·4	- 2·1
t Eskdalemuir	794	62	8th	22	13th	53·7	35·0	43·8	—	2	0·12	3	—	Eskdalemuir	5·3	—	34	1	19	—	—	—	—
b, I. OF MAN *h* Douglas	284	65	8th	36	13th	55·3	43·1	48·8	+0·1	0	0·00	0	- 14	Douglas	8·6	+1·8	55	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	70	8th	37	12th	56·3	42·4	48·9	+1·6	1	0·02	1	- 12	Cockle Park	6·1	+0·4	39	3	28	47·9	+0·3	45·1	- 0·7
t Tynemouth	118	70	8th	37	13th	56·1	43·0	49·2	+2·0	0	0·00	0	- 11	Tynemouth	—	—	—	1	30	—	—	—	—
p Durham	326	71	8th	34	12, 13	56·1	40·6	47·9	+0·4	0	0·00	0	- 11	Durham	4·9	- 0·4	31	4	24	—	—	—	—
a North — Rounton	249	—	—	30	12th	—	39·7	—	—	0	0·00	0	- 11	Rounton	—	—	—	3	23	48·6	—	—	—
a West Witton	605	67	7, 8	34	13th	57·7	40·9	48·8	—	2	0·02	1	—	West Witton	—	—	—	2	27	48·2	—	42·8	—
h Scarborough	118	73	7, 8	37	12, 13	57·4	43·6	50·1	+1·8	2	0·03	1	- 10	Scarborough †	5·8	- 0·3	37	—	—	—	—	48·7	—
p York	56	72	7, 8	32	12th	58·9	41·9	49·9	- 0·1	0	0·00	0	- 11	York	4·4	- 1·0	28	—	—	48·9	- 0·7	46·0	- 0·9
t Spurn Head	26	70	7, 8	37	13th	56·7	43·9	49·9	+1·2	0	0·00	0	- 8	Spurn Head	7·1	—	46	—	—	—	—	—	—
a Lincoln	58	77	8th	32	13th	60·0	43·1	51·0	+0·3	1	0·03	1	- 9	Lincoln	—	—	—	1	28	50·3	- 0·3	46·8	- 0·5
b, South — *t* Cranwell	237	75	8th	31	13th	58·6	42·0	49·8	- 0·3	2	0·02	1	- 10	Cranwell	7·7	+1·3	50	2	27	—	—	—	—
														Skegness	8·1	+1·5	53	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	75	8th	38	11th	57·4	42·7	49·6	+0·5	3	0·05	1	- 8	Cromer	7·8	+1·4	51	—	—	—	—	—	—
a Little Massingham	277	74	8th	35	12, 13	58·3	41·7	49·5	+0·4	2	0·02	1	- 10	Lit Massingham	7·8	+1·5	51	—	—	—	—	—	—
t Yarmouth	13	71	7th	38	11th	57·4	43·3	49·9	+1·1	1	0·04	1	- 9	Yarmouth	8·5	—	55	0	35	52·9	- 0·1	49·4	- 0·9
a Norwich	93	77	8th	37	12th	60·0	42·0	50·5	+0·2	2	0·10	3	- 8	Norwich	8·1	—	53	0	31	52·4	—	—	—
a Geldeston	37	77	8th	28	12th	59·9	38·9	48·8	- 0·8	1	0·12	3	- 7	Geldeston	7·7	+0·9	50	—	—	—	—	—	—
p Cambridge	41	77	8th	33	13th	59·9	40·4	49·6	- 1·2	2	0·14	4	- 6	Cambridge	7·0	+0·7	46	1	30	52·9	+0·5	49·1	- 0·3
t Clacton-on-Sea	54	67	8th	34	13th	56·1	44·9	50·2	+0·5	1	0·01	0·2	- 8	Clacton-on-Sea	6·6	- 0·7	43	1	30	51·9	+0·2	49·7	- 0·2
a Rothamsted	420	75	8th	33	13th	60·3	40·7	49·9	+0·1	1	0·03	1	- 10	Rothamsted	8·0	+1·9	52	2	25	50·3	—	—	—
p Tottenham	51	79	8th	36	13th	62·7	44·3	53·0	—	0	0·00	0	—	Tottenham	7·6	—	50	—	—	—	—	—	—
														Southend	6·8	—	44	0	34	51·5	—	—	—
4. MIDLAND COUNTIES.																							
North — *h* Harrogate	479	70	7, 8	31	12th	57·0	40·6	48·3	+0·6	0	0·00	0	- 10	Harrogate	5·1	- 0·6	32	2	23	47·5	- 0·1	45·9	- 0·5
p Sheffield	429	75	8th	34	12th	59·4	43·0	50·7	—	2	0·13	3	—	Sheffield	5·7	+0·3	37	1	29	48·2	- 0·6	44·5	- 1·0
p Buxton	987	72	8th	30	12, 13	56·1	39·1	47·1	+0·4	2	0·06	1	- 13	Buxton	5·8	—	38	2	22	47·9	- 0·4	43·0	- 1·7
a Worksop	56	79	8th	31	12, 13	61·4	41·6	50·9	+1·3	0	0·00	0	- 9	Worksop	5·7	+0·3	37	2	22	51·0	—	47·7	—
t Nottingham	82	76	8th	36	13th	59·6	42·9	50·8	+0·8	0	0·00	0	- 9	Nottingham	5·7	- 0·1	37	1	28	51·5	+1·0	46·3	- 0·6
b, East — *p* Birmingham, Edgbas.	525	78	8th	35	12th	61·9	42·1	51·4	+1·4	2	0·09	2	- 8	Birmingham	5·7	+0·9	37	1	28	47·3	- 0·2	44·8	- 0·9
a Raunds	213	79	8th	33	13th	61·4	40·7	50·4	- 0·1	1	0·07	2	- 9	Raunds	7·2	—	47	1	27	50·9	—	—	—
p Oxford	208	76	8th	33	13th	64·0	42·4	52·6	+1·6	0	0·00	0	- 9	Oxford	7·9	+1·7	52	1	24	—	—	—	—
														Malvern	8·2	—	53	1	28	52·3	—	47·9	—
a Cheadle (N. Staffs.)	646	76	8th	32	12th	59·7	40·3	49·4	+0·8	1	0·03	1	- 9	Cheadle	—	—	—	1	28	—	—	—	—
s, West — *p* Tenbury	313	78	8th	31	13th	63·6	39·4	50·8	+1·3	1	0·07	2	- 6	Tenbury	—	—	—	3	26	51·8	—	—	—
a Hereford	291	79	8th	32	13th	64·7	41·9	52·6	+2·1	1	0·08	2	- 8	Ross on Wye	7·9	—	52	1	29	52·9	—	48·7	—
a Clifton	225	76	8th	35	13th	63·7	45·4	54·0	+1·8	0	0·00	0	- 10	Clifton	9·2	—	60	0	33	—	—	—	—
5. ENGLAND, S.E.																							
														Worthing	9·2	+1·9	60	0	32	53·5	- 0·3	49·2	- 0·9
a Marlborough	424	76	8th	26	13th	63·3	38·9	50·4	+0·7	1	0·01	0·2	- 10	Marlborough	7·9	+2·1	52	2	23	52·3	—	47·8	—
a Porton	340	77	8th	24	13th	64·3	37·6	50·2	—	1	0·02	1	—	Porton	—	—	—	2	18	52·9	—	—	—
a Wisley, Surrey	150	79	8th	31	13th	64·1	41·7	52·2	+1·1	1	0·09	2	- 6	Wisley, Surrey	7·7	+1·3	51	2	18	52·9	+0·9	48·4	- 0·4
h Tunbridge Wells	354	77	8th	35	13th	63·0	42·0	51·9	+1·1	1	0·08	2	- 8	Tunbridge Wells	8·2	+1·5	54	2	25	51·7	—	48·1	—
h Margate	51	76	8th	41	13th	57·4	46·1	51·4	+0·2	1	0·04	1	- 7	Margate	8·1	+1·6	53	0	40	53·7	+1·6	50·6	+1·1
t Dungeness	21	66	7, 8	33	13th	58·1	44·7	51·0	+0·4	0	0·00	0·1	- 6	Folkestone	9·2	—	61	0	36	—	—	48·6	—
h St. Leonards	178	68	9th	36	13th	59·1	45·9	52·1	+0·9	1	0·01	0·3	- 8	St. Leonards	9·1	+1·7	60	0	33	54·2	—	48·6	—
p Southampton	64	77	8th	35	13th	64·7	43·6	53·5	+0·6	1	0·01	0·2	- 10	Southampton	8·0	+1·3	53	2	25	—	—	—	—
a Ventnor	59	68	9th	35	13th	60·1	45·7	52·5	+0·4	0	0·00	0	- 9	Ventnor	9·0	+2·0	59	—	—	—	—	—	—
LONDON — *t* Richmond (Kew Obs.)	18	78	8th	35	13th	62·1	43·7	52·4	+0·5	0	0·00	0	- 9	Richmond	8·0	+1·7	52	2	25	52·5	+0·4	48·6	- 0·2
a Westminster	27	80	8th	37	13th	63·6	44·6	53·5	+0·9	0	0·00	0	- 8	Westminster	7·6	+2·2	50	0	31	—	—	—	—
a Greenwich	149	81	8th	35	13th	63·7	42·6	52·5	+0·1	1	0·01	0	- 9	Greenwich	7·8	+1·5	51	2	26	—	—	—	—
a Hampstead	450	77	8th	33	13th	61·0	43·7	51·8	—	0	0·00	0	—	Hampstead	7·9	—	52	1	23	—	—	—	—
a Camden Square	110	81	8th	36	13th	—	45·3	—	—	0	0·00	0	- 9	Camden Square	—	—	—	0	32	52·5	—	47·1	—
7 *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	61	8th	31	13th	54·6	38·9	46·3	- 2·0	1	0·08	2	- 11	Aspatria	7·1	+1·2	44	1	27	48·4	- 0·9	45·5	- 0·9
p Newton Rigg	559	66	8th	30	13th	57·1	38·7	47·4	- 0·4	1	0·09	2	- 11	Newton Rigg	7·6	+1·5	48	1	21	—	—	—	—
p Stonyhurst	375	65	7, 8	34	13th	59·3	41·6	49·9	+1·1	0	0·01	0·2	- 15	Stonyhurst	6·8	+1·0	43	2	26	—	—	—	—
h Blackpool	66	64	7th	33	13th	56·1	42·6	49·0	- 0·1	1	0·01	0	- 12	Blackpool	7·1	+0·2	48	1	27	49·5	—	46·6	—
h Southport	37	65	7, 8	35	13th	56·6	42·7	49·2	- 0·4	2	0·11	3	- 8	Southport	7·6	+0·9	49	2	26	52·6	+0·2	49·5	- 0·2
														Hoylake	7·8	+1·6	50			—	—	—	—
t Liverpool (Bidston)	188	68	7th	39	12th	57·1	44·6	50·5	+0·3	0	0·00	0	- 10	Liverpool	7·5	—	48	0	38	—	—	—	—
a Hawarden Bridge	22	73	8th	35	12th	60·4	44·1	51·8	+1·1	0	0·00	0	- 10	Manchester City	5·0	+0·1	32	0	33	48·4	- 1·1	44·7	- 3·1
p Manchester (Whit. Pk.)	125	74	7, 8	35	12th	63·0	43·0	52·4	+1·5	2	0·17	4	- 7	„ Whit. Pk.	5·1	+0·3	33	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	67	8th	34	13th	55·9	44·3	49·8	- 0·5	1	0·02	1	- 9	Llandudno	6·7	0·0	43	—	—	—	—	—	—
t Holyhead	15	61	8th	43	12th	54·3	45·9	49·9	+0·6	0	0·00	0	- 10	Holyhead	9·5	—	61	0	43	—	—	—	—
a Aberdovey	60	71	8th	37	13th	61·1	46·6	53·4	—	0	0·00	0	—	Aberdovey	8·8	+2·5	57	0	32	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	66	7, 8	34	13th	58·1	44·9	51·1	—	1	0·01	0	—	8·0	+1·7	52	—	—	—	—	—	—
a Rhayader	757	72	8th	27	13th	60·0	40·1	49·5	—	0	0·00	0·1	—	8·0	—	52	3	15	—	—	—	—
t Pembroke	149	60	10th	40	13th	55·7	45·0	50·0	+0·7	0	0·00	0	- 10	10·2	+3·2	67	—	—	—	—	—	—
p Cardiff	202	74	8th	36	13th	63·4	43·1	52·6	+2·0	1	0·02	1	- 12	9·8	—	64	1	29	53·6	+1·3	47·8	- 1·0
b, ENGLAND, S.W.																						
h Bath	66	78	8th	32	13th	64·4	42·3	52·7	+1·5	0	0·00	0	- 10									
a Shaftesbury	722	75	9th	34	13th	63·3	43·6	52·9	+3·2	1	0·03	1	- 10	7·4	+0·5	48	—	—	53·2	—	48·9	—
a Arlington	613	73	8th	32	12, 13	63·9	42·5	52·6	+3·3	1	0·03	1	- 14	Shaftesbury ..	—	—	—	—	53·2	—	48·4	—
h Newquay	190	73	8th	38	13th	59·5	45·3	52·0	+1·3	1	0·05	1	- 8	Newquay ..	8·8	+1·6	58	—	—	53·9	—	49·9	—
a Cullompton	202	80	9th	32	13th	67·3	41·7	53·7	+2·5	1	0·10	3	- 8	Cullompton ..	8·5	+2·1	56	2	24	55·1	—	—	—
t Portland Bill	19	63	9th	42	12th	56·4	45·4	50·6	+0·1	1	0·01	0·3	- 8	Weymouth ..	9·9	—	65	—	—	—	—	—	—
p Plymouth	116	69	7th	39	13th	63·4	45·3	53·8	+2·0	1	0·01	0	- 11	Plymouth ..	10·6	+3·6	70	0	31	56·1	+2·2	50·1	—
h Falmouth	167	74	9th	40	13th	62·6	46·7	54·2	+3·2	1	0·02	1	- 11	Falmouth ..	9·8	+2·3	65	0	32	57·5	—	53·4	—
9. IRELAND, N.																						
a, West .. { *t* Malin Head	71	63	7th	42	12th	51·7	44·6	47·9	- 0·5	1	0·02	1	- 9	Malin Head ..	7·4	—	47	—	—	—	—	—	—
t Blacksod Point ..	10	63	9th	41	11th	54·3	45·1	49·4	- 0·3	1	0·08	2	- 13									
a Mallarany	120	63	9th	30	13th	56·6	43·1	49·5	—	2	0·06	2	—	Mallarany ..	4·0	—	25	1	25	—	—	—	—
p Markree Castle.. ..	122	66	9th	29	13th	59·3	40·9	49·6	+0·7	0	0·00	0	- 14	Markree Castle	6·4	+0·5	41	2	24	52·2	+0·3	47·8	- 0·4
b, East .. { *p* Armagh.. ..	204	67	7, 8	34	12, 13	58·7	41·4	49·5	+0·2	0	0·00	0	- 13	Armagh ..	7·1	+1·3	45	2	27	50·7	- 0·3	47·2	- 1·0
t Donaghadee	35	64	7, 8	41	12, 13	55·3	44·7	49·7	+0·8	0	0·00	0	- 12										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	34	52·0	+0·5	48·1	- 1·1
p Dublin City	54	71	8th	37	13th	59·4	46·6	52·6	+1·4	1	0·02	1	- 10	Phœnix Park	10·4	+4·3	67	1	26	—	—	—	—
t Birr Castle	175	76	9th	31	13th	62·4	43·9	52·6	+3·0	1	0·02	0·4	- 12	Dublin City ..	—	—	—	0	33	—	—	—	—
a Kilkenny	195	74	8th	33	13th	62·3	43·3	52·2	+2·0	0	0·00	0	- 12	Birr Castle ..	9·6	+4·1	62	1	24	—	—	—	—
a Waterford	137	63	9th	36	13th	60·4	45·0	52·2	+1·3	1	0·02	1	- 11										
p Seskin, Carrick-on-Suir	542	72	8th	33	13th	62·3	42·7	51·9	—	0	0·00	0	—	Seskin ..	10·7	—	70	1	26	—	—	—	—
a Foynes	50	74	9th	37	13th	62·6	46·4	54·0	+3·1	1	0·04	1	- 11										
t Cahirciveen (Val. Obs.)	30	69	9th	40	13th	57·0	46·1	51·2	+0·2	1	0·02	1	- 16	Cahirciveen ..	6·8	+0·8	45	0	32	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	59	8, 11	40	13th	56·6	45·7	50·8	+0·2	2	0·02	1	- 12										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	66	9th	44	13th	59·1	48·3	53·4	+2·1	1	0·01	0·3	- 7	Scilly ..	9·3	+1·7	62	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	74	9th	43	13th	65·7	48·4	56·5	+3·7	1	0·02	0·4	- 7	St. Heliers ..	11·0	+3·0	73	—	—	—	—	—	—
p Guernsey† ..	173	77	8th	43	13th	64·9	49·4	56·7	+3·9	0	0·00	0	- 7	Guernsey ..	11·5	+3·2	76	0	39	56·2	+2·1	51·3	- 0·1

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 13th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.	Highest Gust. Speed		Time.		
													m.p.h	m/s.	d. hr.	m.p.h	m/s.	d.	h.	m.
0 SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o								
**Deerness (Cup Anr.) ..	188	16	5	—	0	8, 11, 12,	22	113	31	2	0	270	34	15	8 15	—	—	—	—	—
1 SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	8	136	24	0	220	16	7	7 16	34	15	7	17	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	30	132	6	0	210	21	9	7 15	—	—	—	—	—
Edinburgh	485	39	31	—	0	7	12	51	85	20	0	200	30	13	7 17	47	21	7	6	35
6 SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	7	1	36	84	47	0	200	26	11	7 12	36	16	7	11	35
Paisley	188	81	15	—	0	—	0	36	98	34	0	270	19	9	8 11	45	20	7	10	25
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	—	0	22	112	34	0	220	19	9	7 11	37	17	7	11	10
South Shields	72	61	12	—	0	—	0	45	96	27	0	290	24	11	8 14	41	18	7	16	0
Spurn Head	67	41	‡	—	0	12	8	62	86	12	0	340	29	13	12 15	40	18	12	15	20
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	—	0	49	102	16	1	10	23	10	12 18	35	16	12	14	45
Shoeburyness	103	90	‡	—	0	—	0	64	84	17	3	80	24	11	10 5	31	14	10	8	20
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	10	91	67	0	110	17	7	10 23	29	13	12	15	45
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	23	99	46	0	—	17	8	11 22	31	14	11	19	45
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	43	116	9	0	30	21	9	12 15	30	13	12	11	40
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	18	95	55	0	360	16	7	12 16	29	13	12	16	30
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	34	122	12	0	290	18	8	13 12	—	—	—	—	—
Southport	80	62	48	—	0	—	0	46	107	15	0	80	21	9	11 1	29	13	11	1	45
Holyhead	60	40	‡	—	0	7	4	77	83	4	0	200	26	11	7 11	43	19	7	11	5
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	—	0	12	3	32	86	47	0	—	28	13	12 18	38	17	12	18	35
Plymouth	185	88	2	—	0	—	0	17	108	43	0	—	15	7	12 3	25	11	11	6	0
Lyme Regis	556	61	‡				Defective	Records										12	16	0
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	39	108	21	0	30	20	9	12 12	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	—	0	43	86	39	0	—	21	9	8 9	30	13	8	8	30
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	7	1	59	53	55	0	170	25	11	7 8	36	16	7	2	0
Weaver Pt.	160	30	‡‡‡‡				Under	repair.												
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—				Defective	Records												

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINETEENTH WEEK of 1922—May 7th to May 13th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	64	30	50·6	38·5	44·2	− 2.3	25	− 17	10	+ 3	4	0	0·46	12	− 5	3·5	− 1·7	21	1020
Eastern.																			
1. SCOTLAND, EAST ..	67	30	53·2	39·5	46·0	− 1·1	35	− 12	7	0	2	− 2	0·07	2	− 11	5·3	− 0·4	33	1021
2. ENGLAND, N.E. ..	77	30	57·5	42·6	49·6	+ 1·3	53	+ 4	0	− 3	1	− 2	0·01	0	− 11	6·2	+0·2	40	1023
3. ENGLAND, EAST ..	79	28	59·1	42·1	50·1	+ 0·2	57	− 3	0	− 3	2	− 1	0·06	2	− 8	7·6	+1·2	50	1023
4. MIDLAND COUNTIES	79	31	61·7	41·7	51.1	+ 1·4	65	+ 2	1	− 4	1	− 2	0·03	1	− 9	6·6	+0·8	43	1023
5. ENGLAND, S.E. ..	79	24	61·6	43·0	51·8	+ 0·7	69	+ 3	0	− 2	1	− 2	0·03	1	− 8	8·4	+1·7	55	1023
Western.																			
6. SCOTLAND, WEST ..	65	30	55·9	40·5	47·7	− 1·0	44	− 10	4	+ 1	1	− 3	0·08	2	− 14	—	—	—	1022
7. ENGLAND, N.W. ..	74	30	57·6	42·6	49·7	+ 0·4	54	− 1	0	− 2	1	− 3	0·05	1	− 11	7·5	+1·4	48	1023
8. ENGLAND, S.W. ..	80	27	62·0	43·6	52·3	+ 1·8	72	+19	0	− 1	1	− 2	0·02	1	− 11	8·9	+2 3	58	1023
9. IRELAND, NORTH ..	76	29	57·0	43·4	49·8	+ 0·6	55	+ 1	0	− 2	1	− 3	0·02	1	− 12	6 8	+0·9	43	1023
10. IRELAND, SOUTH ..	76	31	60·1	45·3	52·2	+ 1·6	71	+ 9	0	− 1	1	− 3	0·02	1	− 12	8·9	+2 9	58	1023
11. ENGLISH CHANNEL..	77	43	63·2	48·7	55·5	+ 3·5	95	+25	0	0	1	− 2	0·01	0	− 8	10·6	+2·5	70	1022
MEAN: DISTRICTS 1-10	80	24	58·6	42·4	50·0	+ 0·6	58	+ 1	1	− 2	1	− 2	0·04	1	− 11	7·4	+1·2	43	1023

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, February 26th to May 13th, 1922.

0. SCOTLAND, NORTH ..	64	21	46·5	35·0	40·5	− 1·2	140	− 93	258	+14	49	− 2	8·05	205	− 30	4·3	+0·3	32	1009
Eastern.																			
1. SCOTLAND, EAST ..	67	15	47·0	33·8	40·1	− 1·8	160	−122	302	+30	44	− 1	5·30	137	− 4	4·3	0·0	32	1009
2. ENGLAND, N.E. ..	77	23	48·5	35·9	41·9	− 1·3	216	− 93	222	+26	41	0	4·16	106	− 5	4·5	− 0 2	34	1010
3. ENGLAND, EAST ..	79	22	49·7	36·9	43·0	− 1·1	262	−123	184	− 14	42	+ 4	4·73	120	+15	5·0	+ 0·1	38	1011
4. MIDLAND COUNTIES	79	22	49·7	35·6	42·3	− 1·8	252	−150	226	+10	44	+ 7	6·38	163	+47	3·9	− 0·5	30	1011
5. ENGLAND, S.E. ..	79	20	50·5	37·9	43·9	− 1·3	301	−110	152	+ 6	41	+ 4	6·16	156	+40	4·8	− 0·2	36	1011
Western.																			
6. SCOTLAND, WEST ..	65	20	49·4	34·9	41·9	− 1·6	235	− 77	247	+65	34	− 11	6·44	164	− 41	—	—	—	1010
7. ENGLAND, N.W. ..	74	23	48·5	37·0	42·5	− 1·6	217	−111	178	+20	37	− 4	5·09	130	− 19	5·1	+ 0·5	39	1011
8. ENGLAND, S.W. ..	80	20	50·1	37·9	43·7	− 1·6	281	−103	151	+30	44	+ 4	8·23	212	+41	5·4	+ 0·5	41	1012
9. IRELAND, NORTH ..	76	23	49·5	36·8	42.9	− 1·5	252	− 91	183	+38	44	− 6	6·00	153	− 19	5 3	+ 1·0	40	1010
10. IRELAND, SOUTH ..	76	25	51·0	38·2	44·2	− 1·6	313	−106	135	+28	43	− 1	5·66	144	− 38	5·3	+ 0·5	41	1012
11. ENGLISH CHANNEL..	77	31	51·9	42·7	47·1	− 0·5	418	− 51	24	− 11	48	+ 6	8·47	215	+77	5·5	− 0·3	43	1012
MEAN: DISTRICTS 1-10..	80	15	49·4	36·5	42 6	− 1·5	249	−109	198	+24	41	0	5·82	149	+ 2	4·8	+0·2	37	1011

THE YEAR. Aggregates, &c., for the Period of 19 Weeks, January 1st to May 13th, 1922.

0. SCOTLAND, NORTH ..	64	18	44·7	34·6	39·5	− 0·7	156	−130	489	− 40	89	− 3	16·69	425	− 61	3·0	+0·2	27	1007
Eastern.																			
1. SCOTLAND, EAST ..	67	8	44·2	33·1	38·6	− 1·4	170	−168	627	+21	83	+ 6	10·54	270	+15	3·1	− 0·2	28	1008
2. ENGLAND, N.E. ..	77	12	45·8	34·6	40·1	− 1·1	257	−122	509	+40	76	+ 5	8·55	218	+30	3·4	− 0·2	30	1010
3. ENGLAND, EAST ..	79	16	47·2	35·5	41·2	− 0·5	324	−137	431	− 60	75	+ 6	9·96	253	+69	3·8	+ 0·1	33	1011
4. MIDLAND COUNTIES	79	11	47·2	34·4	40·6	− 1·0	314	−173	496	− 22	80	+12	11·63	295	+85	3·1	− 0·2	27	1011
5. ENGLAND, S.E. ..	79	17	48·5	36·9	42·6	− 0·3	395	−116	318	− 60	78	+11	11·49	292	+75	3·8	0·0	33	1011
Western.																			
6. SCOTLAND, WEST ..	65	15	46·8	34·9	40·7	− 1·0	274	−114	448	+36	78	− 5	17·00	432	+23	—	—	—	1009
7. ENGLAND, N.W. ..	74	20	46·7	36·3	41·4	− 0·8	280	−128	360	− 21	75	+ 1	11·69	298	+17	3·7	+ 0·3	33	1010
8. ENGLAND, S.W. ..	80	13	48·7	37·6	43·0	− 0·5	403	−107	268	− 32	83	+ 9	15·52	398	+70	4·0	+ 0·3	35	1011
9. IRELAND, NORTH ..	76	22	48·2	37·3	42·6	− 0·2	365	− 86	279	− 59	90	+ 1	14.46	368	+43	3·9	+ 0·7	35	1008
10. IRELAND, SOUTH ..	76	23	49·9	38·6	44·1	− 0·2	483	− 96	203	− 56	86	+ 5	14·19	360	+ 6	4·0	+ 0·4	35	1010
11. ENGLISH CHANNEL..	77	28	50·8	42·5	46·6	+ 0·4	662	0	50	− 55	90	+10	14·57	370	+98	4·2	− 0·2	37	1012
MEAN: DISTRICTS 1-10 ..	80	8	47·3	35·9	41·5	− 0·7	327	−125	394	− 21	80	+ 5	12·50	318	+43	3·6	+ 0·1	32	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
19th May, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
27 MAY 1922
LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 20.

TWENTIETH WEEK.
SUNDAY, MAY 14TH, TO SATURDAY, MAY 20TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather at the beginning of the week was of a very unsettled character in the north, an Atlantic depression causing a good deal of rain, notably in Scotland and the northern parts of England. Amongst the heaviest falls were 58mm. at Rothesay (Bute), 35mm. at Kilmarnock, 33mm. at Renfrew, 27mm. at Colmonell (Ayr) and 25mm. at Gordon Castle (Elgin) on the 15th, 30mm. at Lancaster and 26mm. at Hoylake on the 16th, while the total for two days 14th and 15th was as much as 109mm. at Fort William and 85mm. at Ford (Argyll). Thunder was reported at a number of stations, mostly on the 17th. Over the southern parts of England the weather, as a whole, was fair or fine with showers in places. The mean temperature for the week was above the normal in nearly all districts. The mean daily range of temperature varied a good deal, but at a number of stations it exceeded 20°F. On the last day of the week several places reported maximum temperatures above 70°F.; amongst the highest being 77°F. in London, 76°F. at Wisley (Surrey) and 74°F. at Norwich. Screen minimum readings as low as 27°F. at Rhayader (Radnor), 28°F. at Porton (Salisbury Plain) and 29°F. at Marlborough were recorded on the 14th, while the grass thermometer on the same date registered several degrees of frost at a large number of stations.

The total rainfall for the week was below the normal in the eastern and south-eastern districts, but above in most other districts. During the first three days of the week there were records of about 14 hours of bright sunshine at a number of stations in the east and south-east of England. The departure of the mean daily duration of sunshine from the normal for the week ranged from +3·7 hours in London (Westminster) to —4·9 hours at Douglas (Isle of Man).

An exceptionally fine double rainbow was seen at Benson at 18h. 55m. on May 17th. Solar halos were observed at Ross-on-Wye on the 15th and 17th, at Durham and Stonyhurst on the 17th, at Aberdeen on the 20th,and at Oxford on each day from the 15th to 18th inclusive.

II.—WIND COMPONENTS.—FREQUENCIES (at 8h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	17	5	2·3	24	13	5·5	14	7	3·2	18	7	3·2	27	14	6·1	—	—	—	26	9	4·0	28	11	4·9
North	7	4	1·7	0	—	—	9	5	2·2	2	1	0·5	0	—	—	—	—	—	1	3	1·5	0	—	—
West	17	15	6·5	26	11	4·9	27	10	4·6	24	7	3·3	28	8	3·7	—	—	—	19	11	5·0	18	10	4·5
East	10	7	3·2	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	7	4	1·6	8	2	0·7
Calm (or wind-speed < 4 m.p.h.)	1	—	—	1	—	—	1	—	—	4	—	—	0	—	—	—	—	—	1	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Very Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate
Rainfall ..	Very Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Very Heavy	Moderate	Moderate	Very Heavy	Heavy	Moderate
Sunshine ..	Very Scanty	Scanty	Moderate	Abundant	Moderate	Abundant	—	Scanty	Scanty	Very Scanty	Very Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *12* weeks from Feb. 26th, 1922. Warmth ..	3, 3, 6	2, 3, 7	4, 3, 5	3, 4, 5	2, 4, 6	1, 5, 6	2, 3, 7	3, 4, 5	2, 5. 5	2, 4, 6	3, 3, 6	2, 4, 6
Rainfall ..	5, 2, 5	3, 6, 3	3, 4, 5	5, 5, 2	5, 5, 2	4, 6, 2	4, 2, 6	3, 6, 3	6, 3, 3	3, 6, 3	3, 4, 5	6, 4, 2
Sunshine ..	6, 3, 3	3, 6, 3	1, 8, 3	4, 5, 3	1, 8, 3	4, 5, 3	—	4, 7, 1	5, 5, 2	6, 4, 2	5, 5, 2	2, 4, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	51	17th	37	15th	48·0	41·4	44·5	+0·3	6	1·34	34	+22										
p Deerness, Orkney	165	54	17th	38	15th	51·0	42·6	46·6	+1·3	7	0·96	24	+12	Deerness	2·1	- 4·0	13	—	—	—	—	—	—
t Stornoway	51	57	17th	38	20th	52·9	43·1	47·7	+1·3	7	2·22	56	+41	Stornoway	2·5	- 4·1	15	—	—	—	—	—	—
t Castlebay, Barra I.	37	52	20th	42	15th	50·6	46·7	48·5	—	6	1·63	41	—	Castlebay	1·5	—	9	—	—	—	—	—	—
t Wick	81	57	17, 19	36	15th	52·7	42·6	47·4	+1·4	6	1·00	25	+13										
a Strathpeffer	125	60	17th	35	15, 16	55·1	42·4	48·4	+0·4	6	1·78	45	+34										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	60	20th	38	15th	54·1	43·3	48·4	+0·8	6	2·21	56	+42										
p Fort William	171	58	17, 20	42	14, 15	53·7	45·0	49·1	+0·2	7	6·21	158	+135										
1. SCOTLAND, E.																							
t Nairn	82	63	16th	40	15th	56·9	44·1	50·1	+2·0	6	1·43	36	+25	Nairn	3·7	—	23	—	—	—	—	—	—
p Gordon Castle	101	65	16th	39	15th	58·3	44·6	51·0	+2·7	5	1·67	42	+29	Gordon Castle	2·8	—	17	—	—	—	—	—	—
t Aberdeen	46	63	17, 18	41	14th	59·1	45·3	51·8	+4·2	3	0·62	16	+ 2	Aberdeen	4·8	- 1·4	29	0	33	—	—	45·1	- 0·7
a Balmoral	930	61	18th	37	15th	56·4	42·0	48·8	+3·3	5	0·50	13	- 1	Balmoral	—	—	—	0	37	—	—	—	—
p Crieff	432	61	17th	40	15th	55·6	43·6	49·2	- 0·1	5	0·79	20	+ 5	Crathes	4·1	- 1·5	25	1	29	47·9	—	44·0	—
a Dundee	244	61	18th	40	14th	58·0	42·7	49·9	+1·2	4	0·42	11	- 2	Dundee	4·6	—	28	0	35	49·0	—	—	—
t Inchkeith (F. of Forth)	190	59	17th	42	15th	54·3	45·1	49·4	—	5	0·61	15	—	Inchkeith (F. of Forth)	3·1	—	19	0	40	—	—	—	—
p Edinburgh	441	61	20th	41	14th	57·3	45·1	50·8	+2·9	5	0·36	9	- 2	Edinburgh	4·4	- 1·4	27	0	40	—	—	—	—
a West Linton	769	59	17th	34	20th	57·1	41·7	48·9	+3·0	7	1·68	43	—	West Linton	—	—	—	1	29	—	—	—	—
a Marchmont	498	59	17-19	38	14th	57·4	43·0	49·8	+2·2	5	0·49	12	- 3	Marchmont	4·0	- 1·8	24	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	57	17, 20	39	14th	54·5	44·3	49·1	—	7	4·67	119	—	Ford (Argyll)	—	—	—	0	35	49·8	—	46·6	—
t Renfrew	49	60	17th	41	20th	55·7	45·6	50·4	—	6	2·08	53	—	Renfrew	2·6	—	16	0	31	—	—	—	—
p Rothesay	200	58	17th	41	15, 20	53·7	43·6	48·4	- 1·7	7	3·59	91	+74	Rothesay	2·4	—	15	0	31	50·9	—	47·6	- 0·2
a Kilmarnock	90	66	20th	39	20th	57·6	44·7	50·8	+1·3	6	2·48	63	+49	Kilmarnock	1·9	—	12	—	—	50·4	—	46·7	—
a Colmonell	170	65	20th	40	20th	57·6	46·7	51·8	+2·2	5	2·28	58	+43	Colmonell	—	—	—	0	37	—	—	—	—
p Dumfries	160	57	15, 19	41	20th	54·9	45·9	50·1	- 0·4	5	1·59	40	+25	Dumfries	2·5	—	15	0	31	49·7	- 2·5	46·7	- 2·1
t Eskdalemuir	794	56	19th	34	20th	52·9	41·9	47·1	—	6	2·47	63	—	Eskdalemuir	1·5	—	10	1	27	—	—	—	—
b, I. OF MAN *h* Douglas	284	57	18th	44	14th	53·4	47·0	50·0	+0·1	5	0·87	22	+ 8	Douglas	2·7	- 4·9	17	0	43	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	17th	40	20th	60·1	45·9	52·6	+4·3	5	0·48	12	- 1	Cockle Park	5·1	- 0·8	31	1	28	49·5	- 0·5	46·5	- 0·6
t Tynemouth	118	65	17, 20	43	14, 20	60·4	47·1	53·4	+5·3	5	0·61	16	+ 5	Tynemouth	—	—	—	0	35	—	—	—	—
p Durham	336	63	17th	39	14th	59·7	45·1	52·0	+3·4	1	0·12	3	- 8	Durham	4·8	- 0·6	30	2	28	—	—	—	—
a North *p* Rounton	249	66	20th	36	14th	60·9	47·1	53·6	+5·3	4	0·28	7	- 5	Rounton	—	—	—	1	24	50·4	—	—	—
a West Witton	605	68	18th	40	14th	60·3	46·4	52·9	—	4	0·08	2	—	West Witton	—	—	—	0	34	49·3	—	44·3	—
h Scarborough	118	68	16th	40	14th	62·7	46·7	54·2	+5·0	4	0·42	11	0	Scarborough †	5·2	- 1·0	32	—	—	—	—	49·9	—
p York	56	70	20th	37	14th	62·6	46·1	53·9	+2·9	3	1·12	28	+17	York	5·1	- 0·5	32	—	—	49·4	- 2·2	47·0	- 1·1
t Spurn Head	26	69	20th	38	14th	62·9	46·1	54·0	+4·3	3	0·04	1	- 8	Spurn Head	7·3	—	46	—	—	—	—	—	—
b, South *a* Lincoln	58	71	20th	40	14th	65·1	46·0	55·0	+3·3	4	0·17	4	- 7	Lincoln	—	—	—	0	34	51·3	- 1·9	48·1	- 0·5
t Cranwell	237	70	20th	37	14th	64·0	44·3	53·6	+2·4	4	0·17	4	- 7	Cranwell	8·7	+2·1	55	1	29	—	—	—	—
														Skegness	7·6	+0·8	48	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	70	16, 19	39	14th	65·9	44·3	54·5	+4·0	3	0·07	2	- 7	Cromer	7·0	+0·4	44	—	—	—	—	—	—
a Little Massingham	277	70	20th	39	14th	64·6	44·1	53·7	+3·2	2	0·19	5	- 7	Lit Massingham	7·8	+1·3	49	—	—	—	—	—	—
t Yarmouth	13	69	19th	39	14th	64·6	45·3	54·4	+4·2	2	0·06	2	- 8	Yarmouth	7·2	—	46	0	32	53·9	- 1·3	50·7	- 0·9
a Norwich	93	74	20th	36	14th	66·4	44·9	55·0	+3·2	3	0·16	4	- 7	Norwich	7·9	—	50	1	30	53·2	—	—	—
a Geldeston	37	73	20th	36	14th	65·6	43·7	54·0	+3·0	2	0·09	2	- 8	Geldeston	7·6	+0·6	48	—	—	—	—	—	—
p Cambridge	41	73	20th	31	14th	65·7	42·7	53·5	+1·3	2	0·49	12	+ 2	Cambridge	8·7	+2·2	55	2	28	52·8	- 1·8	50·1	- 0·8
t Clacton-on-Sea	54	69	20th	39	14th	61·6	46·9	53·8	+2·7	1	0·07	2	- 6	Clacton-on-Sea	9·2	+1·7	59	0	34	52·4	- 1·6	50·6	- 0·7
a Rothamsted	420	71	20th	35	14th	62·4	42·3	51·8	+0·6	2	0·34	9	- 2	Rothamsted	9·3	+2·9	59	3	27	51·0	—	—	—
p Tottenham	51	73	20th	41	14th	65·4	49·1	56·8	—	2	0·49	12	—	Tottenham	9·5	—	61	—	—	—	—	—	—
														Southend	9·0	—	57	0	36	52·7	—	—	—
4. MIDLAND COUNTIES.																							
North *h* Harrogate	479	68	20th	37	14th	59·7	45·1	52·0	+2·9	5	0·76	19	+ 6	Harrogate	5·8	- 0·1	36	0	31	48·5	- 1·2	47·0	- 0·8
p Sheffield	429	70	20th	40	14th	62·6	46·7	54·2	—	4	0·24	6	—	Sheffield	6·9	+1·3	43	0	32	49·3	- 1·7	45·8	- 0·8
p Buxton	987	65	20th	34	14th	58·4	43·7	50·6	+2·4	4	0·53	13	- 6	Buxton	5·6	—	35	1	24	48·6	- 2·1	44·3	- 1·5
a Worksop	56	73	20th	34	14th	65·9	45·1	54·9	+3·8	4	0·15	4	- 8	Worksop	6·1	+0·6	38	1	26	51·8	—	48·7	—
t Nottingham	82	68	20th	36	14th	63·4	45·6	54·0	+2·5	4	0·24	6	- 6	Nottingham	5·7	- 0·3	36	1	30	53·1	- 0·3	47·4	- 1·1
b, East *p* Birmingham, Edgbsn	525	67	19th	38	14th	62·1	45·1	53·1	+1·6	2	0·12	3	- 10	Birmingham	6·4	+1·4	40	1	22	48·2	- 1·3	45·7	- 0·8
a Raunds	213	71	20th	37	14th	65·4	44·0	54·1	+2·1	3	0·13	3	- 11	Raunds	8·1	—	51	0	32	52·2	—	—	—
p Oxford	208	72	20th	36	14th	64·4	45·0	54·1	+1·6	2	0·20	5	- 7	Oxford	8·4	+2·0	53	1	28	—	—	—	—
														Malvern	7·2	—	46	0	34	52·5	—	49·6	—
a Cheadle (N. Staffs.)	646	68	20th	35	14th	62·6	44·1	52·8	+2·7	3	0·29	7	- 7	Cheadle	—	—	—	1	27	—	—	—	—
c, West *p* Tenbury	313	68	20th	31	14th	63·1	45·3	53·7	+2·7	3	0·14	4	- 6	Tenbury	—	—	—	1	26	52·0	—	—	—
a Hereford	291	70	20th	32	14th	64·4	43·9	53·5	+1·5	3	0·10	3	- 10	Ross on Wye	7·0	—	45	1	30	54·6	—	50·4	—
a Clifton	225	69	20th	41	14th	61·3	47·3	53·9	+0·1	4	0·70	18	+ 5	Clifton	8·4	—	54	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	70	20th	29	14th	62·4	43·4	52·3	+1·5	3	0·55	14	+ 2	Worthing	6·9	- 0·8	45	0	32	54·2	- 2·0	50·6	- 0·9
a Porton	340	69	20th	28	14th	63·3	38·7	50·3	—	3	0·32	8	—	Marlborough	8·0	+1·9	52	3	25	52·1	—	49·0	—
a Wisley, Surrey	150	76	20th	36	15th	66·1	43·4	54·1	+1·9	3	0·15	4	- 5	Porton	—	—	—	3	22	53·1	—	—	—
h Tunbridge Wells	354	70	20th	36	14th	62·4	42·7	52·0	+0·1	3	0·08	2	- 10	Wisley, Surrey	9·2	+2·5	59	3	24	53·8	- 0·6	50·0	- 0·3
h Margate	51	69	20th	40	14th	63·0	45·7	53·8	+1·5	1	0·07	2	- 8	Tunbridge Wells	8·7	+1·7	56	3	23	52·5	—	49·6	—
														Margate	9·5	+2·7	61	0	37	54·1	- 0·3	52·2	+1·2
t Dungeness	21	57	16, 18	37	14th	55·6	45·4	50·2	- 1·5	2	0·09	2	- 6	Folkestone	7·3	—	47	0	31	—	—	49·2	—
h St. Leonards	178	57	20th	41	14th	55·4	46·0	50·4	- 1·9	4	0·25	6	- 4	St. Leonards	6·8	- 0·9	44	0	32	54·5	—	50·2	—
p Southampton	64	67	19, 20	37	14th	62·9	44·9	53·4	- 0·6	4	0·26	7	- 5	Southampton	8·0	+0·9	51	3	26	—	—	—	—
a Ventnor	59	65	20th	43	14th	57·9	46·9	52·1	- 1·1	4	0·31	8	- 2	Ventnor	6·3	- 1·1	41	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	75	20th	37	14th	65·7	45·6	55·1	+2·1	3	0·17	4	- 7	Richmond	9·3	+2·7	60	2	26	53·2	- 1·3	50·2	+0·1
a Westminster	27	74	20th	38	14th	66·7	46·7	56·1	+2·4	4	0·28	7	- 3	Westminster	9·4	+3·7	60	0	32	—	—	—	—
a Greenwich	149	77	20th	37	14th	68·6	45·0	56·1	+2·6	3	0·17	4	- 7	Greenwich	9·7	+3·1	62	3	23	—	—	—	—
a Hampstead	450	72	20th	40	14, 15	63·9	44·3	53·5	—	2	0·20	5	—	Hampstead	9·5	—	61	2	28	—	—	—	—
a Camden Square	110	77	20th	41	14th	—	46·6	—	—	2	0·26	7	- 4	Camden Square	—	—	—	0	35	54·2	—	49·0	—
7 *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	58	20th	43	14th	54·1	45·3	49·4	- 0·3	6	0·85	21	+ 7	Aspatria	2·9	- 3·5	18	0	43	49·3	- 2·0	46·7	- 0·7
p Newton Rigg	559	63	20th	42	14th	56·6	45·7	50·8	- 1·6	6	0·37	9	- 4	Newton Rigg	3·8	- 2·8	24	0	37	—	—	—	—
p Stonyhurst	375	64	20th	39	14th	57·9	46·7	52·0	+1·7	4	1·19	30	+14	Stonyhurst	3·1	- 3·2	20	0	35	—	—	—	—
h Blackpool	66	63	20th	45	14, 15	56·7	47·9	52·0	+1·5	5	1·22	31	+19	Blackpool	4·0	- 3·5	25	0	32	51·0	—	47·6	—
h Southport	37	65	20th	41	14th	58·6	47·8	52·9	+1·9	5	0·81	21	+ 9	Southport	5·0	- 2·3	32	0	34	54·8	- 0·2	50·8	- 0·6
														Hoylake	4·3	- 1·3	34	—	—	—	—	—	—
t Liverpool (Bidston)	188	67	20th	41	14th	60·4	47·4	53·5	+1·9	4	0·99	25	+14	Liverpool	4·8	—	30	0	37	—	—	—	—
a Hawarden Bridge	22	68	20th	40	14th	62·6	49·1	55·5	+3·4	3	0·14	4	- 6	Manchester City	3·2	- 2·2	20	0	36	49·5	- 2·8	47·2	- 1·9
p Manchester (Whit. Pk.)	125	70	20th	36	14th	61·4	46·9	53·7	+1·3	4	0·54	14	+ 2	„ Whit. Pk.	3·6	- 1·7	23	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	65	20th	37	14th	58.4	44·1	50·8	- 0·8	3	0·07	2	- 9	Llandudno	4·9	- 2·4	31	—	—	—	—	—	—
t Holyhead	15	58	19th	45	14th	54·1	47·7	50·7	0·0	6	0·70	18	+ 7	Holyhead	3·1	—	20	0	44	—	—	—	—
a Aberdovey	60	65	20th	41	14th	56·4	48·9	52·4	—	4	0·61	15	—	Aberdovey	3·1	- 3·8	19	0	31	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	67	20th	37	14th	56·3	48·0	51·9	—	3	0·35	9	—	Aberystwyth	3·7	- 2·9	23	—	—	—	—	—	—
a Rhayader	757	64	20th	27	14th	57·6	44·1	50 5	—	3	0·15	4	—	Rhayader ..	4·4	—	28	1	15	—	—	—	—
t Pembroke	149	54	15th	44	14th	52·3	48·0	50·0	- 0·7	5	0·75	19	+ 8	Pembroke ..	5·5	- 1·7	36	—	—	—	—	—	—
p Cardiff	202	65	20th	38	14th	59·1	46·3	52·3	+0·2	4	0·65	17	+ 3	Cardiff ..	6·5	—	42	0	33	53·7	- 1·0	49·7	- 0·3
b, ENGLAND, S.W.																							
h Bath	66	72	20th	34	14th	62·6	45·7	53·6	+0·9	3	0·33	8	- 2	Bath	7·2	+0·1	46	—	—	53·9	—	50·5	—
a Shaftesbury	722	67	20th	39	14, 15	59·7	43·1	50·9	- 0·3	3	0·28	7	- 5	Shaftesbury ..	—	—	—	—	—	53·3	—	50·0	—
a Arlington	613	67	20th	33	14th	58·1	45·0	51·2	+0·5	3	0·63	16	0										
h Newquay	190	62	20th	35	14th	57·5	46·6	51·7	- 0·4	3	0·52	13	+ ¾	Newquay ..	5·2	- 2·2	34	—	—	53·7	—	51·2	—
a Cullompton	202	71	20th	33	14th	64·4	42·7	52·9	+0·3	3	0·35	9	- 3	Cullompton ..	6·6	- 0·1	42	3	26	55·5	—	—	—
t Portland Bill	19	54	15–20	43	14th	53·9	46·7	50·1	- 1·8	5	0·23	6	- 3	Weymouth ..	7·8	—	50	—	—	—	—	—	—
p Plymouth	116	62	19th	38	14th	58·0	47·6	52·5	- 0·7	4	0·97	25	+14	Plymouth ..	6·6	- 0·7	42	0	32	56·5	+0·6	51·8	—
h Falmouth	167	61	19th	38	14th	58·1	47·1	52·3	0·0	3	0·77	20	+ 8	Falmouth ..	6·1	- 1·7	39	1	30	55·8	—	54·5	—
9. IRELAND, N.																							
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	57	16th	45	14th	54·6	48·1	51·2	+0·6	7	1·30	33	+18										
a Mallarany	120	57	16th	45	14th	55·9	47·4	51·4	—	6	1·27	32	—	Mallarany ..	2·4	—	15	0	39	—	—	—	—
p Markree Castle..	122	66	20th	44	14, 19	59·6	47·0	52·9	+3·1	7	0·69	18	+ 3	Markree Castle	1·9	- 4·2	12	0	39	52·5	- 1·3	49·0	- 0·1
b, East .. *p* Armagh	204	69	20th	45	14th	59·6	47·7	53·3	+3·1	6	1·19	30	+17	Armagh ..	2·6	- 3·5	16	0	43	51·6	- 1·3	48·5	- 0·8
t Donaghadee	35	63	15, 20	45	14th	59·6	47·9	53·4	+3·6	6	1·26	32	+20										
														Trinity Coll. Phœnix Park	— 4·4	— - 2·5	— 28	0 0	36 33	52·9 —	- 0·4 —	49·7 —	- 0·6 —
10. IRELAND, S.																							
p Dublin City	54	*70	20th	43	14th	61·7	49·6	55·3	+2·9	6	0·41	10	- 1	Dublin City ..	—	—	—	0	38	—	—	—	—
t Birr Castle	175	65	20th	43	14th	59·0	48·3	53·3	+2·4	6	1·26	32	+20	Birr Castle ..	2·9	- 3·3	19	0	38	—	—	—	—
a Kilkenny	195	67	20th	35	14th	60·1	46·4	52·8	+1·4	4	0·65	17	+ 5										
a Waterford	137	64	19th	40	14th	58·3	47·7	52·7	+0·6	5	0·67	17	+ 4										
p Seskin, Carrick-on-Suir	542	67	19th	39	14th	59·0	46·4	52·3	—	5	0·33	9	—	Seskin ..	5·8	—	37	0	31	—	—	—	—
a Foynes	50	67	20th	44	14th	60·9	49·6	54·9	+2·8	6	0·49	12	- 1										
t Cahirciveen (Val. Obs.)	30	60	19th	46	14th	56·4	49·9	53·0	+0 9	6	1·59	40	+22	Cahirciveen ..	3·1	- 3·8	20	0	43	—	—	—	—
a Killarney	174	63	19th	41	14th	60 6	49·6	54·8	+2·8	6	0·86	22	+ 5	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	62	19th	45	14th	56·4	49·1	52·5	+0·7	6	1·32	34	+21										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	59	19th	43	14th	57·0	48·4	52·4	- 0·1	2	0·44	11	+ 2	Scilly ..	3·7	- 3·5	24	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	63	20th	37	14th	60·1	46 3	52·8	- 1·3	3	0·26	7	- 2	Guernsey ..	7·6	- 0·3	50	0	32	55·7	- 0·6	52·9	+0·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 20th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h.: Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h.: Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h m/s.	d. hr.	m.p.h m/s.	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	14, 16, 19,	15	71	71	11	0	260	34 15	14 21	— —	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	114	54	0	230	11 5	14 18	28 13	14 18 10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	25	125	18	0	230	21 9	14 18	— —	— — —
Edinburgh	485	39	31	—	0	14 to 16, 20	28	106	30	4	0	240	33 15	14 16	54 24	14 16 25
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	14, 15	6	111	41	10	0	220	28 13	14 15	43 19	{14 16 15} {15 11 5}
Paisley	188	81	15	—	0	—	0	63	80	25	0	260	22 10	14 1	48 22	14 21 15
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	46	96	26	0	230	20 9	15 13	40 18	15 12 35
South Shields	72	61	12	—	0	14, 16	2	74	92	0	0	{280 260	25 11	{14 17 16 6}	42 19	16 6 30
Spurn Head	67	41	‡	—	0	18, 19	9	86	72	1	0	260	29 13	19 16	41 18	19 15 45
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	14	2	76	88	2	0	220	25 11	14 16	34 15	19 16 5
Shoeburyness	103	90	‡	—	0	19	2	75	89	2	0	220	29 13	19 12	40 18	19 12 45
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	39	104	25	0	250	22 10	19 16	40 18	19 13 50
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	46	96	26	0	—	19 9	19 12	31 14	19 11 25
Larkhill, S'y Plain ..	513	63	43	—	0	19	4	81	83	0	0	270	28 13	19 12	36 16	19 11 40
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	30	115	23	0	290	18 8	19 15	34 15	19 14 15
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	111	56	1	0	220	23 11	15 16	— —	— — —
Southport	80	62	48	—	0	14, 15, 18, 19	23	89	52	4	0	250	29 13	19 12	40 18	19 11 15
Holyhead	60	40	‡	—	0	15, 16, 20	15	138	15	0	0	200	27 12	15 16	45 20	16 13 35
8. ENGLAND, S.W.																
Pendennis Castle § ..	256	65	24	—	0	16 to 19	29	72	56	11	0	210	33 15	16 18	40 18	16 13 30
Plymouth	185	88	2	—	0	16, 17	12	77	53	26	0	—	34 15	17 1	38 17	17 1 5
Lyme Regis	556	61	‡				Defective	Records								
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	16, 19	3	81	76	8	0	250	26 12	19 10	— —	— — —
Quilty	100	40	‡‡	—	—	14	4	81	57	2	24	—	26 12	14 14	38 17	14 17 30
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	15, 20	4	138	26	0	0	180	25 11	15 18	38 17	15 20 55
Weaver Pt.	160	30	‡	—	—	15, 17, 19	12	109	43	0	4	—	28 12	15 14	41 18	15 12 19
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—				Out of Action.									

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. § Direction from the Robinson Anemometer at Falmouth.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTIETH WEEK of 1922—May 14th to May 20th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	60	35	52·8	43·0	47·6	+ 0.2	39	− 6	0	− 5	6	+ 2	2·46	62	+46	2·3	− 3·4	14	1005
Eastern.																			
1. SCOTLAND, EAST ..	65	34	56·9	43·8	50·0	+ 2·0	56	+ 5	0	− 6	5	+ 1	0·91	23	+10	4·3	− 1·6	26	1007
2. ENGLAND, N.E. ..	71	36	62·0	46·0	53·6	+ 4·3	81	+27	0	− 2	4	+ 1	0·38	10	− 1	6·1	− 0·1	38	1014
3. ENGLAND, EAST ..	74	31	64·7	44·8	54·2	+ 2·9	85	+17	0	− 2	2	− 1	0·22	6	− 5	8·3	+1·6	53	1017
4. MIDLAND COUNTIES	73	31	63·2	45·1	53.6	+ 2·4	81	+12	0	− 3	3	0	0·28	7	− 6	6·8	+0·8	44	1016
5. ENGLAND, S.E. ..	76	28	61·5	44·3	52·4	+ 0·2	73	− 3	0	− 1	3	0	0·23	6	− 5	8·0	+1·0	52	1018
Western.																			
6. SCOTLAND, WEST ..	66	39	55·3	45·4	50·1	+ 0·2	57	− 3	0	− 3	6	+ 2	2·51	64	+47	—	—	—	1010
7. ENGLAND, N.W. ..	70	36	58·1	46·8	52·1	+ 1·4	71	+ 8	0	− 1	5	+ 2	0·65	17	+ 4	3·9	− 2·6	25	1014
8. ENGLAND, S.W. ..	72	27	58·4	45 6	51·6	− 0·3	67	− 4	0	− 1	4	+ 1	0·51	13	+ 1	5·7	− 1·2	36	1018
9. IRELAND, NORTH ..	69	43	58·5	47·8	52·8	+ 2·7	76	+18	0	− 1	6	+ 2	1·14	29	+16	2·3	− 3·9	14	1010
10. IRELAND, SOUTH ..	70	35	59·2	48·8	53·7	+ 1·9	82	+13	0	− 1	6	+ 3	0·91	23	+ 9	3·5	− 3·3	22	1013
11. ENGLISH CHANNEL..	63	37	59·1	47·0	52.7	− 0·6	75	− 4	0	0	3	0	0·32	8	− 2	6·3	− 1·4	41	1019
MEAN: DISTRICTS 1-10	76	27	59·8	45·8	52·4	+ 1·8	73	+ 9	0	− 2	4	+ 1	0·77	20	+ 7	5·4	− 1·0	34	1014

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, February 26th to May 20th, 1922.

0. SCOTLAND, NORTH ..	64	21	47·1	35·7	41·1	− 1·1	179	− 99	258	+ 9	55	0	10·51	267	+16	4·1	0·0	30	1008
Eastern.																			
1. SCOTLAND, EAST ..	67	15	47·8	34·7	41·0	− 1·4	216	−117	302	+24	49	0	6·21	160	+ 6	4·3	− 0·2	32	1009
2. ENGLAND, N.E. ..	77	23	49·6	36·7	42·9	− 0·8	297	− 66	222	+ 24	45	+ 1	4·54	116	− 6	4·7	− 0 1	35	1011
3. ENGLAND, EAST ..	79	22	50·9	37·6	44·0	− 0·7	347	−106	184	− 16	44	+ 3	4·95	126	+10	5·3	+ 0·2	39	1012
4. MIDLAND COUNTIES	79	22	50·8	36·4	43·3	− 1·4	333	−138	226	+ 7	47	+ 7	6·66	170	+41	4·2	− 0·3	31	1011
5. ENGLAND, S.E. ..	79	20	51·5	38·4	44·6	− 1·2	374	−113	152	+ 5	44	+ 4	6·39	162	+35	5·1	− 0·1	38	1012
Western.																			
6. SCOTLAND, WEST ..	66	20	49·9	35·8	42·5	− 1·5	292	− 80	247	+62	40	− 9	8·95	228	+ 6	—	—	—	1010
7. ENGLAND, N.W. ..	74	23	49·3	37·8	43·3	− 1·3	288	−103	178	+19	42	− 2	5·74	147	− 15	5·0	+ 0·3	37	1011
8. ENGLAND, S.W. ..	80	20	50·8	38·5	44·4	− 1·4	348	−107	151	+29	48	+ 5	8·74	225	+42	5·4	+ 0·3	41	1012
9. IRELAND, NORTH ..	76	23	50·3	37·7	43.7	− 1·2	328	− 73	183	+37	50	− 4	7·14	182	− 3	5 0	+ 0·6	37	1010
10. IRELAND, SOUTH ..	77	25	51·7	39·1	45·1	− 1·2	398	− 90	135	+27	49	+ 2	6·57	167	− 29	5·2	+ 0·2	39	1012
11. ENGLISH CHANNEL..	77	31	52·5	43·1	47·6	− 0·5	493	− 55	24	− 11	51	+ 6	8·79	223	+75	5·6	− 0·4	42	1012
MEAN: DISTRICTS 1-10..	80	15	50·3	37·3	43·5	− 1·2	322	− 99	198	+22	46	+ 1	6·59	168	+ 9	4·9	+0·1	37	1011

THE YEAR. Aggregates, &c., for the Period of 20 Weeks, January 1st to May 20th, 1922

0. SCOTLAND, NORTH ..	64	18	45·1	35·0	39·9	− 0·6	195	−136	489	− 45	95	− 1	19·15	487	− 15	2·9	− 0·1	26	1007
Eastern.																			
1. SCOTLAND, EAST ..	67	8	44·9	33·6	39·1	− 1·3	226	−163	627	+15	88	+ 7	11·45	293	+25	3·2	− 0·2	28	1008
2. ENGLAND, N.E. ..	77	12	46·6	35·2	40·8	− 0·8	338	− 95	509	+38	80	+ 6	8·93	228	+29	3·5	− 0·2	31	1010
3. ENGLAND, EAST ..	79	16	48·1	35·9	41·9	− 0·2	409	−120	431	− 62	77	+ 5	10·18	259	+64	4·0	+ 0·1	35	1011
4. MIDLAND COUNTIES	79	11	48 0	34·9	41·3	− 0·8	395	−161	496	− 25	83	+12	11·91	302	+79	3·2	− 0·3	28	1011
5. ENGLAND, S.E. ..	79	17	49·1	37·3	43·1	− 0·3	468	−119	318	− 61	81	+11	11·72	298	+70	4·0	0·0	34	1012
Western.																			
6. SCOTLAND, WEST ..	66	15	47·2	35·4	41·2	− 0·9	331	−117	448	+33	84	− 3	19·51	496	+70	—	—	—	1009
7. ENGLAND, N.W. ..	74	20	47·3	36·9	42·0	− 0·6	351	−120	360	− 22	80	+ 3	12·34	315	+21	3·8	+ 0·3	33	1010
8. ENGLAND, S.W. ..	80	13	49·1	38·0	43·5	− 0·4	470	−111	268	− 33	87	+10	16·03	411	+71	4·1	+ 0·2	35	1011
9. IRELAND, NORTH ..	76	22	48·7	37·8	43·1	− 0·1	441	− 68	279	− 60	96	+ 3	15.60	397	+59	3·9	+ 0·5	34	1008
10. IRELAND, SOUTH ..	77	23	50·4	39·1	44·6	− 0·1	568	− 80	203	− 57	92	+ 8	15·10	383	+15	4·0	+ 0·2	34	1010
11. ENGLISH CHANNEL..	77	28	51·3	42·7	46·9	+ 0·4	737	− 4	50	− 55	93	+10	14·89	378	+96	4·3	− 0·3	37	1012
MEAN: DISTRICTS 1-10 ..	80	8	47 9	36·4	42·1	− 0·5	400	−115	394	− 23	85	+ 6	13·28	338	+50	3·7	+ 0·1	32	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
26th May, 1922.

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METEOROL. OFFICE LIBRARY JUN 1922

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. | No. 21.
Vol. XXXIX. (New Series) |

TWENTY-FIRST WEEK.
SUNDAY, MAY 21ST, TO SATURDAY, MAY 27TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was remarkable for the exceptional heat for the time of the year. The maximum temperatures during the first four days of the week were abnormally high, notably in the eastern and south-eastern parts of England, when in places readings of 88°F. were recorded, the actual highest being 91°F. in London and 89°F. at Norwich. The nights also were very warm; at a number of stations during the first few days of the week the night temperature did not fall below 62°F. and in one or two instances it stood at 65°F. The mean daily range of temperature for the week exceeded 25°F. in places. In Scotland and Ireland the temperature was decidedly lower, the highest readings for the week at several stations being below 65°F. Frost on the grass occurred at a few stations, and amongst the lowest readings were 28°F. at Balmoral on the 23rd and 27°F. at Rhayader (Radnor) and 29°F. at Durham on the 27th. Mean temperature was above the normal in all districts, the excess in the eastern and south-eastern districts of England exceeding 10°F. Thunderstorms occurred in most parts of the country; in some instances they were accompanied by exceptionally heavy hail, notably in Yorkshire on the 21st and in London and the south-eastern parts of England on the 25th. Much damage was done to glass roofs, and there were many places in which hailstones measured upwards of an inch in diameter. Amongst the largest amounts of precipitation in the Yorkshire storms on the 21st were 68mm. at West Witton and 34mm. at Rounton (N. Riding), whilst the heaviest falls reported in S.E. England on the 25th were 28mm. at Marlborough and 25mm. at Tunbridge Wells. The District value of rainfall for the week was below the normal in all districts except Scotland N. and England N.E. The mean amount of sunshine was above the normal at nearly all stations, and in a number of places on various days records of between 14 and 15 hours were obtained. The departure of the mean daily duration of sunshine from the normal for the week ranged from +5·9 hours at Cambridge and Margate to —3·8 hours at Scilly. Solar halos were observed at Richmond (Kew Observatory) on the 22nd, at Oxford on the 23rd, at Aberdeen and Fort William on the 21st and 25th and at Ross-on-Wye on the 23rd and 25th.

As will be seen from the Table on page 84, the mean temperature for the spring season has been generally below the normal in all parts of the British Isles. Rainfall and sunshine for the same period may be classified as moderate.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.			Edinburgh. Blackford Hill.			England, E. Gorleston.			London. Richmond.			North Wales. Holyhead.			England, S.W. Scilly.			Dublin. Kingstown.			Ireland, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	20	9	4·0	17	9	3·9	11	8	3·5	9	7	3·2	12	12	5·4	—	—	—	18	6	2·8	21	8	3·7
North	3	2	1·1	3	2	1·1	13	6	2·8	6	4	1·9	10	4	1·6	—	—	—	5	3	1·3	2	2	0·7
West	14	12	5·5	22	12	5·2	13	3	1·5	13	4	1·6	19	5	2·4	—	—	—	11	12	5·2	10	7	3·2
East	10	8	3·6	4	4	2·0	9	4	1·8	3	5	2·1	3	2	0·8	—	—	—	13	4	1·7	10	3	1·2
Calm (or wind-speed < 4 m.p.h.)	0	—	—	1	—	—	3	—	—	10	—	—	6	—	—	—	—	—	4	—	—	5	—	—
No record ..	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Light	Moderate	Moderate	Light
	Sunshine ..	Abundant	Moderate	Abundant	Very Abundant	Very Abundant	Very Abundant	—	Moderate	Moderate	Scanty	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *13* weeks from Feb. 26th, 1922.	Warmth ..	3, 4, 6	3, 3, 7	5, 3, 5	4, 4, 5	3, 4, 6	2, 5, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	4, 3, 6	3, 4, 6
	Rainfall ..	6, 2, 5	3, 7, 3	3, 5, 5	5, 6, 2	5, 6, 2	4, 7, 2	4, 3, 6	3, 6, 4	6, 3, 4	3, 7, 3	3, 5, 5	6, 4, 3
	Sunshine ..	7, 3, 3	3, 7, 3	2, 8, 3	5, 5, 3	2, 8, 3	5, 5, 3	—	4, 8, 1	5, 6, 2	6, 4, 3	5, 6, 2	2, 4, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.			21, 22,																				
Islands: *t* Lerwick	54	53	26, 27	38	27th	52·1	43·7	47·7	+2·0	5	0·64	16	+ 6					—	—	—	—	—	—
Islands: *p* Deerness, Orkney	165	57	22, 26	42	25th	55·0	44·4	49·4	+2·6	5	0·52	13	+ 4	Deerness	6·6	+0·9	38	—	—	—	—	—	—
Islands: *a* Stornoway	51	56	23, 25	36	25th	54·6	44·7	49·4	+1·3	6	0·87	22	+10	Stornoway	6·4	+0·2	37	—	—	—	—	—	—
Islands: *t* Castlebay, Barra I.	37	—	—	47	23rd	—	48·4	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
Mainland: *t* Wick	81	61	22nd	39	23rd	56·1	43·1	49·2	+1·6	3	0·34	9	- 1										
Mainland: *a* Strathpeffer	125	66	25th	36	25th	60·0	45·7	52·4	+2·6	3	0·37	9	0										
Mainland: *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
Mainland: *a* Fort Augustus	68	64	21st	35	25th	60·0	44·4	51·7	+2·4	6	0·73	19	+ 8										
Mainland: *p* Fort William	171	65	23rd	37	25th	60·3	44·4	51·9	+1·2	6	1·50	38	+19										
1. SCOTLAND, E.																							
t Nairn	82	68	25th	38	23rd	61·6	47·3	54·0	+4·2	4	0·23	6	- 4	Nairn	7·7	—	45	—	—	—	—	—	—
p Gordon Castle	101	66	25th	38	23rd	61·6	46·3	53·5	+3·4	3	0·14	4	- 7	Gordon Castle	6·7	—	40	—	—	—	—	—	—
t Aberdeen	46	68	21st	43	23rd	62·9	47·7	54·8	+5·5	2	0·16	4	- 8	Aberdeen	7·2	+1·0	42	1	30	—	—	46·7	- 0·2
a Balmoral	930	64	21, 25	33	23rd	59·3	43·7	51·0	+3·5	5	0.25	6	- 6	Balmoral	—	—	—	2	28	—	—	—	—
p Crieff	432	64	25th	39	25th	60·1	43·7	51·4	+0·3	5	0·57	14	0	Crathes	6·2	+0·4	36	0	31	51·9	—	45·5	—
a Dundee	244	66	21, 25	38	23rd	64·1	45·0	54·0	+3·4	2	0·15	4	- 7	Dundee	6·2	—	37	1	30	53·0	—	—	—
														Inchkeith (F. of Forth)	6·1	—	37	0	36	—	—	—	—
t Inchkeith (F. of Forth)	190	64	25th	43	25th	58·4	46·3	52·0	—	1	0·40	10	—										
p Edinburgh	441	66	25th	44	23, 27	62·4	47·0	54·2	+4·6	2	0·11	3	- 7	Edinburgh	6·9	+1·1	41	0	37	—	—	—	—
a West Linton	769	67	21st	35	25th	60·7	42·9	51·3	+3·6	5	0·32	8	—	West Linton	—	—	—	0	32	—	—	—	—
a Marchmont	498	69	25th	42	23rd	63·1	46·4	54·3	+4·9	2	0·11	3	- 10	Marchmont	5·4	- 0·5	32	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	63	27th	35	25th	59.6	44·6	51·7	—	4	1·03	26	—	Ford (Argyll)	—	—	—	1	30	52·6	—	48·2	—
t Renfrew	49	65	25th	36	25th	60·9	46·7	53·4	—	5	0·39	10	—	Renfrew	5·4	—	32	1	30	—	—	—	—
p Rothesay	200	61	25th	41	25th	57.7	45·1	51·0	- 0·5	6	0·46	12	- 3	Rothesay	4·9	—	30	0	36	53·1	—	49·1	0·0
a Kilmarnock	90	67	25th	37	25th	61·9	45·7	53·3	+2·4	3	0.24	6	- 6	Kilmarnock	5·4	—	33	—	—	53·5	—	48·0	—
			21,																				
a Colmonell	170	65	24-26	38	26th	63·7	45·7	54·2	+3·3	3	0·71	18	+ 5	Colmonell	—	—	—	0	34	—	—	—	—
p Dumfries	160	66	25th	42	23-25	62·0	45·3	53·2	+1·2	3	0·11	3	- 10	Dumfries	5·2	—	32	0	33	52·6	- 2·1	48·0	- 2·5
t Eskdalemuir	794	65	25th	36	24th	60·3	42·9	51·1	—	6	0·22	6	—	Eskdalemuir	5·3	—	32	0	32	—	—	—	—
b, I. OF MAN *h* Douglas	284	64	26th	43	27th	58·9	47·0	52·6	+1·3	2	0·12	3	- 9	Douglas	5·2	- 2·3	32	0	41	—	—	—	—
2. ENGLAND, N.E.																							
North: *a* Alnwick Castle	210	68	21st	40	23rd	65·0	48·7	56·4	+6·8	3	0·83	21	+ 7	Cockle Park	6·5	+0·5	39	0	32	53·8	+1·6	48·4	- 0·2
North: *t* Tynemouth	118	67	26th	45	27th	62·6	50·1	56·0	+6·5	4	0·39	10	- 2	Tynemouth	—	—	—	0	35	—	—	—	—
North: *p* Durham	336	74	23rd	42	27th	66·4	48·4	56·9	+6·9	3	0·37	9	- 3	Durham	6·7	+1·1	40	1	29	—	—	—	—
North: *a* Rounton	249	76	23rd	42	27th	68·9	49·4	58·6	+8·9	2	1·54	39	+26	Rounton	—	—	—	0	38	55·3	—	—	—
North: *a* West Witton	605	75	23rd	43	27th	68·4	49·7	58·5	—	3	2·92	74	—	West Witton	—	—	—	0	39	55·2	—	46·7	—
North: *h* Scarborough	118	78	22nd	48	27th	69·4	52·6	60·5	+9·9	3	0·20	5	- 7	Scarborough †	9·3	+3·2	57	—	—	—	—	52·3	—
North: *p* York	56	76	23rd	46	27th	71·4	53·0	61·7	+9·3	2	0·11	3	- 9	York	8·9	+3·3	55	—	—	54·4	+1·0	48·5	- 1·0
South: *t* Spurn Head	26	75	22nd	50	232527	66·1	51·6	58·4	+7·4	1	0·24	6	- 3	Spurn Head	10·5	—	65	—	—	—	—	—	—
South: *a* Lincoln	58	82	22, 23	47	27th	75·9	54·0	64·3	+11·2	2	0·28	7	- 5	Lincoln	—	—	—	0	41	59·6	+4·4	50·1	+0·1
South: *t* Cranwell	237	82	22nd	42	27th	75·0	51·6	62·6	+10·0	1	0·30	8	- 4	Cranwell	12·2	+5·6	76	0	36	—	—	—	—
														Skegness	12·2	+5·3	76	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	87	22, 23	49	25th	74·9	52·7	63·1	+11·1	3	0·15	4	- 5	Cromer	10·5	+3·9	65	—	—	—	—	—	—
a Little Massingham	277	85	22nd	49	27th	75·6	57·4	66·0	+13·9	3	0·35	9	- 3	Lit Massingham	11·5	+4·9	71	—	—	—	—	—	—
t Yarmouth	13	73	25, 26	50	27th	67·4	52·9	59·7	+7·8	1	0·08	2	- 8	Yarmouth	11·1	—	69	0	46	58·4	+1·2	52·6	- 0·4
a Norwich	93	89	22nd	49	27th	78·9	54·9	66·2	+12·9	3	0·13	3	- 8	Norwich	11·1	—	69	0	44	61·7	—	—	—
a Geldeston	37	88	22nd	47	27th	77·4	53·4	64·7	+12·1	1	0·12	3	- 7	Geldeston	10·8	+3·7	67	—	—	—	—	—	—
p Cambridge	41	88	22nd	44	27th	79·1	53·4	65·5	+11·7	2	0·35	9	- 2	Cambridge	10·6	+5·9	66	0	37	61·2	+4·3	52·3	- 0·1
t Clacton-on-Sea	54	73	23rd	49	27th	69·6	55·3	62·0	+9·3	1	0·02	0·4	- 8	Clacton-on-Sea	12·9	+5·3	81	0	44	59·5	+3·5	53·0	+0·2
a Rothamsted	420	84	22nd	47	27th	76·9	54·9	65·2	+12·4	2	0·69	17	+ 5	Rothamsted	11·1	+4·6	69	0	37	59·9	—	—	—
p Tottenham	51	88	22nd	51	27th	80·0	58·4	68·6	—	1	0·06	2	—	Tottenham	10·8	—	68	—	—	—	—	—	—
														Southend	11·7	—	74	0	47	60·9	—	—	—
4. MIDLAND COUNTIES.																							
North: *h* Harrogate	479	75	23rd	44	27th	68·7	49·9	58·7	+8·3	1	0·21	5	- 9	Harrogate	7·8	+2·1	48	0	35	54·2	+2·7	49·5	+0·2
North: *p* Sheffield	429	75	21-23	50	27th	71·4	54·3	62·3	—	2	0·21	5	—	Sheffield	8·8	+3·5	55	0	44	56·3	+3·3	48·2	+0·4
North: *p* Buxton	987	73	21st	45	27th	68·9	51·3	59·6	+10·1	2	0·23	6	- 13	Buxton	7·6	—	47	0	41	56·3	+3·3	46·0	- 1·1
East: *a* Worksop	56	80	22nd	42	27th	75·1	51·4	62·5	+10·1	2	0·63	16	+ 4	Worksop	9·9	+4·6	61	—	—	58·8	—	51·3	—
East: *t* Nottingham	82	82	23rd	45	27th	75·1	54·6	64·2	+11·4	1	0·43	11	- 1	Nottingham	9·0	+3·3	56	0	38	63·6	+7·9	51·4	+1·3
East: *p* Birmingham, Edgbsn.	525	80	21, 23	49	27th	75·1	53·6	63·7	+10·9	2	0·23	6	- 7	Birmingham	8·8	+4·0	55	0	36	55·9	+4·6	47·1	- 0·4
East: *a* Raunds	213	86	22, 23	45	27th	78·7	54·1	65·7	+12·4	3	0·38	10	- 4	Raunds	10·2	—	64	0	41	60·7	—	—	—
East: *p* Oxford	208	86	23rd	45	27th	78·6	54·9	66·0	+12·2	2	0·96	24	+12	Oxford	10·5	+4·3	66	0	40	—	—	—	—
														Malvern	10·0	—	63	0	44	59·9	—	51·9	—
West: *a* Cheadle (N. Staffs.)	646	75	21, 23	45	27th	71·6	52·0	61·2	+9·8	1	0·15	4	- 10	Cheadle	—	—	—	0	35	—	—	—	—
West: *p* Tenbury	313	79	21, 23	40	27th	75·6	49·1	61·6	+9·3	2	0·18	5	- 6	Tenbury	—	—	—	0	35	58·1	—	—	—
West: *a* Hereford	291	79	21, 23	42	27th	74·6	51·1	62·2	+8·9	1	0·13	3	- 10	Ross on Wye	10·0	—	63	0	38	62·6	—	53·1	—
West: *a* Clifton	225	84	23rd	48	27th	73·7	52·4	62·4	+7·3	2	0·02	1	- 12	Clifton	10·2	—	64	0	46	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	83	23rd	40	27th	76·9	51·7	63·5	+11·2	2	1·10	28	+15	Worthing	12.6	+5·0	80	0	46	60·7	+2·4	52·4	- 0·5
a Portou	340	84	22nd	39	27th	76·9	49·7	62·5	—	1	0·14	4	—	Marlborough	10·9	+4·9	68	0	38	61·1	—	50·9	—
a Wisley, Surrey	150	87	22, 24	46	27th	80·4	53·1	65·9	+12·2	2	0·32	8	- 2	Porton	—	—	—	0	33	60·6	—	—	—
h Tunbridge Wells	354	87	23rd	49	27th	79·9	55·3	66·9	+13·5	2	1·35	34	+22	Wisley, Surrey	12·0	+5·3	75	0	35	62·7	+6·4	52·6	+0·8
h Margate	51	88	22nd	54	26th	74·9	57·4	65·6	+11·8	0	0·00	0	- 10	Tunbridge Wells	11·8	+4·9	75	0	38	58·3	—	51·5	—
														Margate	12·5	+5·9	78	0	49	63·9	+7·3	55·1	+2·4
t Dungeness	21	72	21-23	48	21st	69·3	54·3	61·4	+8·2	0	0·00	0	- 8	Folkestone	12·8	—	81	0	32	—	—	51·1	—
h St. Leonards	178	78	22nd	48	21st	73·1	57.6	64·9	+11·1	2	0·02	1	- 9	St. Leonards	13·0	+5·5	83	0	45	62·3	—	51·7	—
p Southampton	64	82	24th	49	21, 27	76·6	54·6	64·9	+9·4	1	0·18	5	- 7	Southampton	11·2	+4·2	71	0	38	—	—	—	—
a Ventnor	59	—	—	—	—	—	—	—	—	—	—	—	—	Ventnor	—	—	—	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	86	22-24	51	27th	79·9	56·8	67·7	+13·2	1	0·39	10	- 1	Richmond	11·6	+5·1	73	0	38	61·5	+5·0	52·0	+0·6
a Westminster	27	88	22nd	53	27th	81·0	58·6	69·1	+13·9	3	0·63	16	+ 6	Westminster	11·4	+5·7	72	0	46	—	—	—	—
*a*e Greenwich	149	91	24th	51	21st	82·9	55·9	68·6	+13·4	3	0·46	12	+ 1	Greenwich	11·4	+4·9	72	0	39	—	—	—	—
a Hampstead	450	87	22nd	51	27th	79·4	57.9	68·0	—	1	0·09	2	—	Hampstead	11·4	—	71	0	40	—	—	—	—
a Camden Square	110	91	22nd	51	27th	84·0	58·4	70·4	+14·2	2	0·20	5	- 6	Camden Square	—	—	—	0	47	63·6	—	51·0	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	67	23rd	43	25, 27	61·1	46·9	53·6	+2·5	2	0.10	3	- 9	Aspatria	6·7	+0·4	41	0	37	53·0	- 0·4	47·9	- 0·7
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	74	23rd	45	27th	67·3	50·9	58.6	+7·0	2	0·29	7	- 7	Stonyhurst	6·7	+0·5	41	0	43	—	—	—	—
h Blackpool	66	71	23rd	46	25th	62·3	50·1	55·8	+4·0	3	1·04	26	+15	Blackpool	6·9	- 0·4	42	0	38	53·9	—	48·8	—
h Southport	37	73	21st	48	25th	63·4	51·1	56·9	+4·6	4	0·37	9	- 1	Southport	7·7	+0·6	48	0	39	59·4	+2·2	53·4	+0·3
														Hoylake	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston)	188	74	21st	47	27th	64·7	51·4	57·7	+4·8	3	0·33	8	- 2	Liverpool	7·9	—	49	0	41	—	—	—	—
a Hawarden Bridge	22	78	21, 23	50	25, 27	69·1	53·6	60·9	+7·5	1	0.15	4	- 5	Manchester City	6·4	+1·1	39	0	46	56·2	+1·5	49·3	- 1·5
p Manchester (Whit. Pk.)	125	78	21st	47	27th	71·6	53·4	62·0	+8·3	2	0.22	6	- 5	„ Whit. Pk.	6·6	+1·5	41	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	68	23rd	41	25th	61·3	46·0	53·2	+0·3	2	0·05	1	- 9	Llandudno	7·4	+0·3	46	—	—	—	—	—	—
t Holyhead	15	64	26th	47	25th	59·4	49·0	53·9	+2·1	3	0·35	9	- 1	Holyhead	6·6	—	40	0	44	—	—	—	—
a Aberdovey	60	71	21st	47	27th	63·7	52·6	57·8	—	2	0·29	7	—	Aberdovey	6·1	- 0·5	38	0	41	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. S. SOUTH WALES.																						
h Aberystwyth	16	70	21st	45	27th	62·1	51·7	56·6	—	2	0·26	7	—	Aberystwyth	6·5	+0.1	40	—	—	—	—	—	—
a Rhayader	757	76	21st	38	27th	69·6	48·4	58·4	—	2	0·17	4	—	Rhayader ..	8·6	—	53	1	27	—	—	—	—
t Pembroke	149	61	27th	48	24, 27	57·1	49·4	53·0	+1·2	2	0·16	4	− 7	Pembroke ..	5·9	− 1·1	37	—	—	—	—	—	—
p Cardiff	202	76	21, 23	43	27th	70·3	50·7	59·9	+6·6	3	0·33	8	− 6	Cardiff ..	8·8	—	55	0	42	59·8	+3·0	51·3	− 0·1
b, ENGLAND, S.W.																						
h Bath	66	83	23rd	42	27th	75·1	52·6	63·2	+9·4	1	0·03	1	− 10	Bath	8·5	+1·7	53	—	—	60·4	—	52·7	—
a Shaftesbury	722	79	23rd	47	27th	73·7	52·0	62·2	+10·1	1	0·14	3	− 9	Shaftesbury ..	—	—	—	—	—	61·3	—	52·6	—
a Arlington	613	76	21st	41	27th	67·6	49·4	58·0	+6·2	2	0·15	4	− 13										
h Newquay	190	67	21, 23	43	27th	60·5	50·4	55·2	+2·1	1	0·08	2	− 8	Newquay ..	4·5	− 2·7	28	—	—	57·3	—	52·3	—
a Cullompton	202	82	23rd	41	27th	75·6	50·4	62·2	+8·5	1	0·07	2	− 10	Cullompton ..	8·7	+2·3	55	0	37	61·4	—	—	—
t Portland Bill	19	66	22nd	48	21st	62·7	51·6	56·8	+3·8	1	0·02	0·4	− 9	Weymouth ..	10·2	—	65	—	—	—	—	—	—
p Plymouth	116	72	22nd	46	27th	68·1	51·7	59·4	+5·1	1	0·08	2	− 10	Plymouth ..	9·8	+2·8	62	0	43	60·8	+3·1	53·3	—
h Falmouth	167	68	23, 27	50	27th	65·0	51·6	57·9	+4·5	1	0·26	7	− 6	Falmouth ..	5·4	− 1·9	35	0	42	60·9	—	56·0	—
9. IRELAND, N.																						
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	58	25th	41	21, 24	56·9	47·0	51·7	− 0·2	4	0·46	12	− 2										
a Mallarany ..	120	60	25th	40	23, 24	57·7	46·7	51·9	—	4	0·81	21	—	Mallarany ..	5·2	—	32	0	39	—	—	—	—
p Markree Castle..	122	65	25th	36	24th	61·3	46·6	53·5	+2·4	4	0·39	10	− 4	Markree Castle	4·7	− 1·4	29	0	31	55·5	− 0·1	50·2	0·0
b, East .. *p* Armagh	204	68	25th	42	24th	62·9	47·7	54·8	+3·3	4	0·27	7	− 5	Armagh ..	4·0	− 2·1	24	0	36	54·3	− 0·3	49·9	− 0·6
t Donaghadee	35	64	23, 26	41	24, 25	61·0	47·0	53·6	+2·5	2	0·13	3	− 8										
														Trinity Coll.	—	—	—	0	45	56·5	+1·4	51·3	− 0·2
														Phœnix Park	5·9	− 0·8	36	0	34	—	—	—	—
10. IRELAND, S.																						
p Dublin City	54	68	25th	46	27th	63·7	51·3	57·1	+3·5	2	0·02	1	− 10	Dublin City ..	—	—	—	0	41	—	—	—	—
t Birr Castle	175	70	25th	40	24th	63·3	48·4	55·4	+3·3	4	0·15	4	− 8	Birr Castle ..	6·1	+0·2	38	0	35	—	—	—	—
a Kilkenny	195	68	25th	43	23rd	64·0	48·7	55·9	+3·4	2	0·07	2	− 10										
a Waterford	137	67	25th	45	23, 27	62·6	49·3	55·6	+2·4	2	0·04	1	− 11										
p Seskin, Carrick-on-Suir	542	66	25–27	43	23, 27	63·1	46·9	54·5	—	2	0·03	1	—	Seskin ..	6·5	—	41	0	32	—	—	—	—
a Foynes	50	70	25th	45	24th	64·0	49·4	56·3	+3·1	4	0·53	13	0										
t Cahirciveen (Val. Obs.)	30	60	25th	43	27th	57·0	50·1	53·8	+0·2	5	0·96	24	+ 7										
a Killarney	174	71	27th	44	27th	64·3	50·6	56·7	+3·6	4	0·49	12	− 4	Cahirciveen ..	6·1	− 0·5	38	0	40	—	—	—	—
t Roche's Point	32	65	26th	48	27th	58·4	50·3	54·1	+1·2	6	0·18	5	− 8	Ballinacurra	7·0	+0·2	44	—	—	—	—	—	—
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	62	27th	49	27th	59·6	51·4	55·3	+1·9	4	0·22	6	− 4	Scilly ..	3·7	− 3·8	23	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	81	21st	52	26, 27	70·7	54·7	62·2	+7·4	0	0·00	0	− 11	Guernsey ..	8·6	+0·6	55	0	48	63·7	+5·4	54·8	+0·7

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, May 27th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
	Ft.	Ft.	Ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	m.p.h	m/s.
0. SCOTLAND, N.																
**Deerness (Cup Anr.) ..	188	16	5	—	0	22, 23, 26,	15	80	59	2	12	260	34	15	—	—
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	1	111	56	6	190	16	7	36	16
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	33	99	36	0	310	21	9	—	—
Edinburgh	485	39	31	—	0	21, 26	8	83	56	21	0	270	30	13	45	20
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	22, 26	8	56	67	37	0	270	28	13	44	20
Paisley	188	81	15	—	0	—	0	43	87	38	0	250	21	9	50	23
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	0	26	1	30	91	46	0	280	25	11	38	17
Spurn Head	67	41	‡	—	0	—	0	32	95	20	21	100	19	9	53	24
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	29	105	34	0	170	19	9	29	13
Shoeburyness	103	90	‡	—	0	—	0	8	104	56	0	210 / 180	18	8	24	11
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	5	57	106	0	150	16	7	27	12
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	1	84	83	0	—	13	6	20	9
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	32	118	18	0	280	20	9	25	11
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	3	76	89	0	190	14	6	25	11
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	26	1	50	94	23	0	270	25	11	—	—
Southport	80	62	48	—	0	26	2	53	87	26	0	270	28	12	35	15
Holyhead	60	40	‡	—	0	—	0	54	70	44	0	200 / 210	21	9	34	15
8. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	—	0	10	108	46	4	—	16	7	29	13
Plymouth	185	88	2	—	0	—	0	5	109	54	0	—	10	6	20	9
Lyme Regis	556	61	‡				Defective Records									
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	26	4	32	111	21	0	260	27	12	—	—
Quilty	100	40	‡	—	0	—	0	40	79	49	0	—	20	9	31	14
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	61	83	24	0	190	22	10	34	15
Weaver Pt.	160	30	‡	—	0	—	0	42	110	8	8	—	19	9	30	13
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—				Out of Action.									

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1922—May 21st to May 27th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	66	35	57·2	44·3	50·4	+ 1.5	59	+ 8	0	- 3	5	+ 1	0·74	19	+ 6	6·5	+1·1	38	1013
Eastern.																			
1. SCOTLAND, EAST ..	69	33	61·1	45·7	52·9	+ 3·1	76	+18	0	- 4	3	- 1	0·25	6	- 6	6·6	+0·7	39	1015
2. ENGLAND, N.E. ..	82	40	69·0	51·0	59·5	+ 8·8	123	+61	0	- 1	2	- 1	0·47	12	0	9·3	+3·1	57	1018
3. ENGLAND, EAST ..	89	44	75·5	54·8	64·6	+11·7	158	+81	0	- 1	2	- 1	0·22	5	- 6	11·2	+4·4	70	1019
4. MIDLAND COUNTIES	86	40	74·7	52·3	62·8	+10·3	146	+70	0	- 1	2	- 1	0·33	8	- 5	9·4	+3·6	58	1019
5. ENGLAND, S.E. ..	88	39	76·4	54·5	64·8	+11·1	160	+76	0	0	1	- 2	0·39	10	- 1	12·0	+5·1	76	1019
Western.																			
6. SCOTLAND, WEST ..	67	35	60·7	45·7	52·8	+ 1·5	76	+10	0	- 1	4	+ 1	0·44	11	- 3	—	—	—	1017
7. ENGLAND, N.W. ..	78	41	64·7	50 2	57·0	+ 5·0	105	+34	0	0	2	- 1	0·27	7	- 4	6·8	+0·5	42	1019
8. ENGLAND, S.W. ..	83	38	68·5	50·8	59·1	+ 6·1	120	+43	0	0	1	- 2	0·14	4	- 9	7·2	+0·6	46	1020
9. IRELAND, NORTH ..	70	36	61·1	47·3	53·8	+ 2·4	83	+16	0	- 1	4	0	0·28	7	- 5	4·4	- 1·8	27	1017
10. IRELAND, SOUTH ..	71	40	62·2	49·7	55·5	+ 2·6	95	+18	0	0	4	+ 1	0·31	8	- 5	6·3	- 0·3	39	1019
11. ENGLISH CHANNEL..	81	49	67·0	53·6	59·9	+ 5·7	125	+40	0	0	1	- 2	0·07	2	- 9	7·0	- 0·8	44	1020
MEAN: DISTRICTS 1-10	89	33	67·4	50·2	58·3	+ 6·3	114	+43	0	- 1	3	- 1	0·31	8	- 4	8·1	+1·8	59	1018

THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, February 26th to May 27th, 1922.

0. SCOTLAND, NORTH ..	66	21	47·8	36·3	41·8	- 0·9	238	- 91	258	+ 6	60	+ 1	11·25	286	+22	4·3	+0·1	31	1009
Eastern.																			
1. SCOTLAND, EAST ..	69	15	48·8	35·5	41·9	- 1·1	292	- 99	302	+20	52	- 1	6·46	166	0	4·5	- 0·1	33	1010
2. ENGLAND, N.E. ..	82	23	51·1	37·8	44·2	- 0·1	420	- 5	222	+23	47	0	5·01	128	- 6	5·0	+ 0·1	37	1011
3. ENGLAND, EAST ..	89	22	52·8	38·9	45·5	+0·1	505	- 25	184	- 17	46	+ 2	5·17	131	+ 4	5·7	+ 0·5	42	1012
4. MIDLAND COUNTIES	86	22	52·6	37·6	44·8	- 0·5	479	- 68	226	+ 6	49	+ 6	6·99	178	+36	4·6	0·0	34	1012
5. ENGLAND, S.E. ..	88	20	53·4	39·7	46·2	- 0·2	534	- 37	152	+ 5	45	+ 2	6·78	172	+34	5·6	+ 0·3	41	1012
Western.																			
6. SCOTLAND, WEST ..	67	20	50·7	36·6	43·3	- 1·3	368	- 70	247	+61	44	- 8	9·39	239	+ 3	—	—	—	1011
7. ENGLAND, N.W. ..	78	23	50·5	38·8	44·4	- 0·8	393	- 69	178	+19	44	- 3	6·61	154	- 19	5·2	+ 0·4	38	1012
8. ENGLAND, S.W. ..	83	20	52.1	39·5	45·5	- 0·9	468	- 64	151	+29	49	+ 3	8·88	229	+33	5·6	+ 0·4	41	1013
9. IRELAND, NORTH ..	76	23	51·1	38·5	44·5	- 0·9	411	- 57	183	+36	54	- 4	7·42	189	- 8	5·0	+ 0·4	37	1011
10. IRELAND, SOUTH ..	77	25	52·6	39·9	45·9	- 0·9	493	- 72	135	+27	53	+ 3	6·88	175	- 34	5·3	+ 0·2	39	1012
11. ENGLISH CHANNEL..	81	31	53·6	43·9	48·5	0·0	618	- 15	24	- 11	52	+ 4	8·86	225	+66	5·7	- 0·4	41	1013
MEAN: DISTRICTS 1-10..	89	15	51·6	38·3	44·6	- 0·7	436	- 57	198	+21	48	0	6·90	176	+ 4	5·2	+0·2	38	1012

THE YEAR. Aggregates, &c., for the Period of 21 Weeks, January 1st to May 27th, 1922.

0. SCOTLAND, NORTH ..	66	18	45·7	35·4	40·4	- 0·5	254	-128	489	- 48	100	0	19·89	506	- 9	3·1	0·0	27	1007
Eastern.																			
1. SCOTLAND, EAST ..	69	8	45·7	34·2	39·8	- 1·0	302	-145	627	+11	91	+ 6	11·70	299	+19	3·4	- 0·2	29	1008
2. ENGLAND, N.E. ..	82	12	47·7	36·0	41·7	- 0·4	461	- 34	509	+37	82	+ 5	9·40	240	+29	3·8	0·0	33	1010
3. ENGLAND, EAST ..	89	16	49·4	36·8	42 9	+0·2	567	- 39	431	- 63	79	+ 4	10·40	264	+58	4·3	+ 0·3	37	1012
4. MIDLAND COUNTIES	86	11	49·3	35·7	42·3	- 0·3	541	- 91	496	- 26	85	+11	12·24	310	+74	3·5	- 0·1	30	1011
5. ENGLAND, S.E. ..	88	17	50·4	38·1	44·1	+0·2	628	- 43	318	- 61	82	+ 9	12·11	308	+69	4·4	+ 0·3	37	1012
Western.																			
6. SCOTLAND, WEST ..	67	15	47·9	35·9	41·7	- 0·8	407	-107	448	+32	88	- 2	19·95	507	+67	—	—	—	1009
7. ENGLAND, N.W. ..	78	20	48·1	37·5	42·7	- 0·3	456	- 86	360	- 22	82	+ 2	12·61	322	+17	3·9	+ 0·2	33	1010
8. ENGLAND, S.W. ..	83	13	50 1	38·6	44·2	- 0·1	590	- 68	268	- 33	88	+ 8	16·17	415	+62	4·2	+ 0·2	36	1012
9. IRELAND, NORTH ..	76	22	49·3	38·3	43·7	+0·1	524	- 52	279	- 61	100	+ 3	15·88	404	+54	3·9	+ 0·4	33	1009
10. IRELAND, SOUTH ..	77	23	51·0	39·6	45·1	0·0	663	- 62	203	- 57	96	+ 9	15·41	391	+10	4·1	+ 0·2	35	1010
11. ENGLISH CHANNEL..	81	28	52·0	43·2	47·5	- 0·6	862	+36	50	- 55	94	+ 8	14·96	380	+87	4·4	- 0·4	38	1012
MEAN: DISTRICTS 1-10 ..	89	8	48·9	37·1	42·8	- 0·2	514	- 73	394	- 24	87	+ 5	13·59	346	+46	3·9	+ 0·1	34	1010
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
2nd June, 1922.

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METEOROLOGICAL OFFICE
12 JUN 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 22.

TWENTY-SECOND WEEK.
SUNDAY, MAY 28TH, TO SATURDAY, JUNE 3RD, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions were maintained over the British Isles throughout the week and the weather was fine and dry, with abundant sunshine. At a large number of stations, sunshine records of more than 15 hours were obtained, amongst the largest amounts being 15·5 hours at Aberystwyth on May 28th, 15·4 hours at St. Leonards on the 29th and 16·3 hours at Aberdeen, 16·1 hours at Crathes (Kincardine) and 15·8 hours at Nairn and Gordon Castle (Elgin) on the 31st. Temperatures above 80°F. were registered in several places and in a few instances maxima of 85°F. were recorded. Warm nights were again experienced over the country generally, but at a few of our northern stations ground frosts occurred towards the end of the week. Mean temperature for the week was well above the normal in all districts. The mean daily range of temperature was between 25°F. and 30°F. at a number of stations, and at Tenbury (Worcester), and also at Hodsock Priory (Worksop), it was as much as 32°F. Thunderstorms occurred in several places during the latter part of the week, but with one or two exceptions the rainfall was very light. Rothesay (Bute) had a fall of 13mm. on June 1st and Ventnor had 12mm. on the 2nd. The observer at Norwich reports a thunderstorm on June 2nd, the centre of which appears to have been over Keswick, about 2 miles south of Norwich, where 34mm. of precipitation (rain or hail) was recorded. The total rainfall for the week was much less than the normal in all districts; in fact, at the majority of stations the week was rainless. The mean amount of sunshine for the week was greatly in excess of the normal in nearly all parts of the country. The departure of the mean daily duration from the normal for the week ranged from +6·0 hours at Plymouth to —3·2 hours at Deerness. Solar halos were observed at Clacton and Richmond (Kew Observatory) on May 30th, at Aberdeen and Birmingham on June 3rd, at Ross-on-Wye on the 30th and 3rd, and at Oxford on the 30th, 31st, 2nd and 3rd. A Lunar Halo was seen at Oxford on June 2nd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	18	10	4·4	12	4	1·9	11	8	3·6	5	4	1·6	14	6	2·5	—	—	—	12	4	2·0	8	8	3·4
North	6	7	3·2	7	4	1·6	7	10	4·4	7	6	2·6	7	6	2·6	—	—	—	6	5	2·3	10	7	3·1
West	15	16	7·3	22	12	5·4	8	3	1·5	7	2	1·1	20	6	2·5	—	—	—	8	14	6·1	12	9	3 9
East	9	13	5·9	4	6	2·7	8	5	2·4	7	6	2·6	1	11	4·8	—	—	—	11	7	3·0	6	5	2·4
Calm (or wind-speed < 4 m.p.h.)	1	—	—	2	—	—	10	—	—	14	—	—	7	—	—	—	—	—	9	—	—	9	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall ..	Light	Very Light	Nought	Very Light	Nought	Very Light	Light	Nought	Light	Very Light	Nought	Very Light
	Sunshine ..	Scanty	Abundant	Very Abundant	Abundant	Very Abundant	Very Abundant	—	Very Abundant	Very Abundant	Abundant	Very Abundant	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER, 1 week from May 28th, 1922.	Warmth ..	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
	Rainfall ..	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1
	Sunshine ..	0, 0, 1	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	—	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal						Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	53	30th	39	28th	49·7	43·3	46·3	−0·9	5	0·39	10	− 1										
p Deerness, Orkney	165	62	30th	41	28th	53·9	45·3	49·3	+0·9	3	0·11	3	− 8	Deerness	2·6	−3·2	15	—	—	—	—	—	—
a Islands — *t* Stornoway	51	65	31st	42	28th	58·4	47·1	52·4	+2·6	4	0·38	10	− 4	Stornoway	5·7	−0·7	33	—	—	—	—	—	—
t Castlebay, Barra I.	37	63	1st	47	1, 2, 3	54·0	48·0	50·8	—	2	0·07	2	—	Castlebay	4·2	—	24	—	—	—	—	—	—
t Wick	81	65	30th	40	28th	56·6	45·3	50·6	+1·4	2	0·07	2	− 9										
a Strathpeffer	125	75	30th	42	28th	65·7	46·0	55·3	+3·5	0	0·00	0	− 10										
b, Main- — *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. — *a* Fort Augustus	68	72	31st	41	29, 1	62·3	45·0	53·1	+1·9	1	0·09	2	− 11										
p Fort William	171	71	1st	45	28,29,3	63·7	46·4	54·5	+1·5	4	0·24	6	− 18										
1. SCOTLAND, E.																							
t Nairn	82	76	31st	39	28th	64·9	46·4	55·1	+3·6	2	0·02	1	− 10	Nairn	7·4	—	43	—	—	—	—	—	—
p Gordon Castle	101	70	31st	39	28th	65·9	46·9	55·8	+4·0	0	0·00	0	− 12	Gordon Castle	8·8	—	51	—	—	—	—	—	—
t Aberdeen	46	74	31st	40	28th	62·0	46·1	53·6	+2·6	0	0·00	0·1	− 12	Aberdeen	7·8	+1·1	45	1	30	—	—	48·5	+0·3
a Balmoral	930	76	31st	32	28, 29	65·1	39·7	51·6	+2·1	1	0.01	0	− 13	Balmoral	—	—	—	2	27	—	—	—	—
p Crieff	432	77	31st	40	29, 3	66·1	44·9	54·9	+1·9	1	0·03	1	− 14	Crathes	7·9	+1·6	46	1	29	52·9	—	46·9	—
a Dundee	244	78	31st	38	3rd	67·3	42·9	54·4	+1·9	2	0·03	1	− 11	Dundee	9·6	—	56	0	31	55·6	—	—	—
t Inchkeith (F. of Forth)	190	73	31st	45	29th	61·1	48·0	54·2	—	0	0·00	0	—	Inchkeith (F. of Forth)	9·1	—	53	0	41	—	—	—	—
p Edinburgh	441	76	31st	43	29th	66·7	47·6	56·6	+5·2	0	0·00	0	− 11	Edinburgh	9·7	+3·3	57	0	39	—	—	—	—
a West Linton	769	73	31st	37	28th	68·3	41·9	54·3	+4·8	2	0·02	1	—	West Linton	—	—	—	0	31	—	—	—	—
a Marchmont	498	78	31st	40	28th	69·7	47·1	57·7	+6·5	0	0·00	0	− 14	Marchmont	10·1	+3·6	59	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	76	1st	37	31st	65.2	45·4	54·7	—	3	0·24	6	—	Ford (Argyll)	—	—	—	0	34	55·4	—	49·8	—
t Renfrew	49	75	1st	37	29th	66·6	44·7	55·0	—	2	0·08	2	—	Renfrew	8·9	—	52	1	29	—	—	—	—
b Rothesay	200	72	31, 1	43	29th	63.9	46·7	54·8	+1·7	2	0·55	14	− 4	Rothesay	8·9	—	53	0	38	56·7	—	50·6	+0·2
a Kilmarnock	90	82	1st	39	29th	69·6	46·0	57·1	+4·7	1	0.09	2	− 12	Kilmarnock	8·3	—	49	—	—	56·4	—	49·3	—
a Colmonell	170	79	1st	44	30, 31	70·9	46·7	58·1	+5·9	1	0·04	1	− 14	Colmonell	—	—	—	0	39	—	—	—	—
p Dumfries	160	80	1st	42	3rd	70·0	46·1	57·3	+3·6	0	0·00	0	− 14	Dumfries	10·9	—	65	0	33	56·6	+0·4	49·9	− 2·1
t Eskdalemuir	794	77	1·t	35	28th	68·0	41·1	53·7	—	0	0·00	0	—	Eskdalemuir	9·7	—	57	0	31	—	—	—	—
b, I. OF MAN *h* Douglas	284	75	1st	46	3rd	67·6	50·4	58·5	+5·8	1	0·04	1	− 13	Douglas	12·1	+4·5	73	0	42	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	81	31st	40	28th	70·7	47·0	58·1	+6·1	1	0·02	1	− 11	Cockle Park	10·0	+4·0	60	1	29	57·9	+4·0	50·9	+0·9
t Tynemouth	118	81	31st	43	3rd	68·3	50·0	58·6	+6·8	0	0·00	0	− 11	Tynemouth	—	—	—	0	41	—	—	—	—
p Durham	336	82	31st	40	28th	73·6	46·7	59·3	+6·8	0	0·00	0	− 10	Durham	10·9	+5·2	65	2	25	—	—	—	—
a North — *p* Rounton	249	—	—	40	28th	—	46·9	—	—	0	0·00	0	− 12	Rounton	—	—	—	1	30	58·7	—	—	—
a West Witton	605	80	31st	39	28th	73·3	48·3	60·1	—	0	0·00	0	—	West Witton	—	—	—	0	37	58·7	—	49·0	—
h Scarborough	118	78	31st	49	28,2,3	70·1	53·4	61·3	+8·3	0	0·00	0	− 10	Scarborough †	10·2	+4·1	62	—	—	—	—	55·4	—
p York	56	83	1st	45	28, 3	75·4	49·4	61·6	+6·7	0	0·00	0	− 11	York	10·4	+4·6	63	—	—	56·7	+1·9	50·6	− 0·2
t Spurn Head	26	75	28, 31	48	28th	68·7	52·4	60·1	+6·7	0	0·00	0	− 8	Spurn Head	8·5	—	52	—	—	—	—	—	—
b, South — *a* Lincoln	58	84	1st	45	28th	78·0	52·1	64·3	+8·7	0	0·00	0	− 11	Lincoln	—	—	—	0	40	61·7	+5·0	52·8	+1·5
t Cranwell	237	82	1st	42	28th	76·7	49·1	62·1	+7·1	0	0·00	0	− 11	Cranwell	10·8	+4·1	66	0	38	—	—	—	—
														Skegness	11·2	+4·2	68	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	76	30, 31	44	28th	71·0	52·3	61·1	+7·1	0	0·00	0	− 9	Cromer	10·4	+3·5	63	—	—	—	—	—	—
a Little Massingham	277	81	1st	44	28th	75·0	52·6	63·1	+8·8	0	0·00	0	− 11	Lit Massingham	10·8	+3·9	66	—	—	—	—	—	—
t Yarmouth	13	74	30th	45	28th	64·4	51·9	57·8	+3·7	0	0·00	0	− 9	Yarmouth	9·2	—	56	0	36	61·4	+2·7	55·1	+0·9
a Norwich	93	82	1st	42	28th	75·1	51·0	62·3	+7·0	1	0·21	5	− 5	Norwich	10·1	—	62	0	38	63·4	—	—	—
a Geldeston	37	79	30, 1	39	28th	72·4	48 9	60·0	+5 3	0	0·00	0	− 10	Geldeston	9·7	+2·3	59	—	—	—	—	—	—
p Cambridge	41	82	31st	44	28th	77·6	50·7	63·3	+7·4	0	0·00	0	− 10	Cambridge	11·0	+4·0	68	0	38	63·2	+4·8	55·5	+1 8
t Clacton-on-Sea	54	72	2nd	49	29th	66 3	54·3	59·9	+5·1	1	0·01	0·2	− 8	Clacton-on-Sea	10·3	+2·4	63	0	43	61·0	+3·7	55·8	+1·7
a Rothamsted	420	81	1st	45	28, 29	74·6	50·1	61·6	+6·7	0	0·00	0	− 11	Rothamsted	11·0	+4·1	68	0	36	61·9	—	—	—
p Tottenham	51	83	1st	49	29th	77·3	54·3	65·1	—	1	0·05	1	—	Tottenham	9·8	—	61	—	—	—	—	—	—
														Southend	10 5	—	65	0	47	62·8	—	—	—
4. MIDLAND COUNTIES.																							
North — *h* Harrogate	479	80	31st	40	28th	72·4	48·1	59·5	+6·8	0	0·00	0	− 12	Harrogate	10·8	+4·4	65	0	34	56 5	+3·6	52·1	+1·5
p Sheffield	429	82	31st	46	28th	75·3	51·7	62·8	—	0	0·00	0	—	Sheffield	10·1	+4·1	60	0	40	58·1	+3 8	50·9	+1·9
p Buxton	987	79	31, 1	38	28th	72·6	46·4	58·7	+7·0	0	0·00	0	− 17	Buxton	10·1	—	61	0	34	61·8	+7·4	48 8	+0·4
a Worksop	56	83	1st	41	28th	78·0	46·3	61·2	+6·6	0	0·00	0	− 11	Worksop	9·3	+3·5	56	0	36	60·1	—	54·1	—
t Nottingham	82	85	1st	48	29th	77 6	52·3	64·2	+9·1	0	0·00	0	− 11	Nottingham	8·3	+2·1	51	0	40	66·9	+9 8	55·6	+3 8
b, East — *p* Birmingham, Edgbsn.	525	83	1st	45	28th	75·9	53·1	63.8	+8 8	0	0·00	0	− 12	Birmingham	8·1	+2·9	50	0	36	59·2	+6·8	49·3	+0·9
a Raunds	213	83	1st	42	28th	77·6	50·0	63·0	+7·6	0	0·00	0	− 11	Raunds	9·6	—	59	0	37	64·0	—	—	—
p Oxford	208	83	1st	47	28th	77·3	52·9	64·4	+8·4	0	0·00	0	− 11	Oxford	10·7	+4·0	66	0	41	—	—	—	—
														Malvern	9·2	—	57	0	43	63·1	—	55·3	—
a Cheadle (N. Staffs.)	646	83	31st	44	28, 3	75·9	50·7	62·5	+8·9	0	0·00	0	− 13	Cheadle	—	—	—	0	35	—	—	—	—
s, West — *p* Tenbury	313	82	31st	38	28th	77·0	44·9	60·0	+5·5	1	0·02	1	− 9	Tenbury	—	—	—	0	35	61·2	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	10·3	—	64	0	39	66·7	—	56·8	—
a Clifton	225	84	1st	50	28, 3	77·1	55·0	65·4	+8·2	2	0·03	1	− 12	Clifton	10·2	—	63	0	48	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	82	31, 1	41	28th	76·7	47 4	61·2	+6·9	1	0·01	0·2	− 12	Worthing	11.1	+3·1	69	0	43	62·9	+3·2	55·0	+0·8
a Porton	340	83	31st	41	29th	77·2	47·3	61·4	—	0	0·00	0	—	Marlborough	11·0	+4·7	69	0	39	63·1	—	53·7	—
a Wisley, Surrey	150	85	31st	44	29th	78·9	50·0	63·6	+7·9	0	0·00	0	− 9	Porton	—	—	—	0	35	63·1	—	—	—
h Tunbridge Wells	354	81	31st	44	29th	76·1	51·4	63·0	+7·6	0	0·00	0	− 11	Wisley, Surrey	11·3	+4·2	70	0	35	64·4	+6·7	55·5	+2·4
h Margate	51	79	2nd	49	28th	68·6	53·3	60·5	+4·7	0	0·00	0	− 9	Tunbridge Wells	10·4	+3·1	65	0	35	60·0	—	53·9	—
														Margate	10 1	+3 2	63	0	44	65·8	+7·5	58·9	+4·6
t Dungeness	21	75	31st	45	29th	67·9	51·4	59·2	+4 0	1	0·02	1	− 7	Folkestone	11·6	—	72	0	42	—	—	52·9	—
h St. Leonards	178	76	31st	49	28th	70·9	55.3	62·6	+6·9	1	0·04	1	− 8	St. Leonards	11·1	+3·1	69	0	45	64·1	—	54·6	—
p Southampton	64	81	31st	49	28th	74·4	53·4	63·3	+5·8	1	0·08	2	− 9	Southampton	12·2	+4·8	76	0	37	—	—	—	—
a Ventnor	59	76	31st	51	28th	70·7	57·0	63·4	+6·9	1	0·45	11	+ 1	Ventnor	11·5	+3·9	72	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	84	1st	48	29th	78·0	54·0	65·3	+8·7	0	0·00	0	− 11	Richmond	10·5	+3·6	65	0	38	63·3	+5·5	54·7	+2·0
a Westminster	27	83	1st	50	29th	79·3	55·7	66·8	+9·5	0	0·00	0	− 10	Westminster	10·1	+4·1	63	0	46	—	—	—	—
*a*c Greenwich	149	83	1st	45	29th	78·4	51·0	63·9	+6·8	0	0·00	0	− 10	Greenwich	9·9	+3·1	62	0	34	—	—	—	—
a Hampstead	450	81	30, 1	50	28th	76·4	55.1	65·1	—	0	0·00	0	—	Hampstead	10·9	—	68	0	37	—	—	—	—
a Camden Square	110	86	1st	50	29th	79·6	55·1	66·6	+8·3	0	0·00	0	− 11	Camden Square	—	—	—	0	46	65·0	—	54·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	77	1st	41	3rd	67·9	47·6	57·1	+4 0	0	0.00	0	− 15	Aspatria	11·5	+4·7	68	0	38	57·1	+2·2	49·7	− 0·1
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	79	1st	43	28th	69·9	48·4	58.5	+4·9	0	0·00	0	− 18	Stonyhurst	11·2	+4·8	68	0	37	—	—	—	—
h Blackpool	66	77	1st	44	28, 30	67 7	48·9	57 7	+3·9	1	0·01	0	− 13	Blackpool	11·7	+4·1	71	0	33	56 6	—	50·1	—
h Southport	37	79	1st	44	28th	67·3	49·4	57·8	+3 6	1	0·01	0·2	− 13	Southport	11·8	+4·4	72	0	36	62·6	+4·1	56·2	+1 7
														Hoylake	11·7	+4·9	71	—	—	—	—	—	—
t Liverpool (Bidston)	188	82	1st	48	28th	69·9	53·9	61·4	+6·6	1	0·01	0·3	− 12	Liverpool	11·5	—	70	0	40	—	—	—	—
a Hawarden Bridge	22	83	1st	—	—	72·6	51·4	61·4	+6·1	0	0.00	0	− 11	Manchester City	9·3	+3·6	56	0	44	59·5	+3·2	52·3	− 0·1
p Manchester (Whit. Pk.)	125	86	1st	43	28th	76·4	50·7	62·8	+7·1	0	0.00	0	− 14	„ Whit. Pk.	9·1	+3·6	55	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	76	1st	40	29th	68.1	46·7	56·8	+2·0	0	0·00	0	− 12	Llandudno	11.9	+4·4	72	—	—	—	—	—	—
t Holyhead	15	71	31, 1	49	30th	67·0	51·0	58.5	+4·9	0	0·00	0	− 12	Holyhead	12·7	—	77	0	41	—	—	—	—
a Aberdovey	60	81	1st	50	3rd	71·9	53·7	62·3	—	0	0·00	0	—	Aberdovey	11·4	+4·5	70	0	36	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	84	1st	43	28th	68·0	50·7	58·8	—	1	0·01	0	—	Aberystwyth	11·2	+4.6	69	—	—	—	—	—	—
a Rhayader	757	78	1st	36	28th	71·7	42·9	56 4	—	1	0·02	1	—	Rhayader ..	11·0	—	68	1	26	—	—	—	—
t Pembroke	149	75	30, 31	47	28, 3	67·1	51·6	58·9	+5·4	0	0·00	0	- 10	Pembroke ..	11·7	+4·3	73	—	—	—	—	—	—
p Cardiff	202	81	30, 1	47	28th	75·0	52·7	63·2	+8·0	0	0·00	0	- 12	Cardiff ..	11·1	—	69	0	43	63·4	+5·0	53·9	+1·1
b, ENGLAND, S.W.																							
h Bath	66	83	31, 1	44	28th	76·6	51·3	63·2	+7·5	1	0·01	0	- 10	Bath	9·9	+2·9	61	—	—	63·0	—	55·5	—
a Shaftesbury	722	—	—	—	—	—	—	—	—	—	—	—	—	Shaftesbury ..	—	—	—	—	—	—	—	—	—
a Arlington	613	79	30–1	45	28th	72·9	50·0	60·8	+7·2	0	0·00	0	- 15										
h Newquay	190	76	30th	45	28th	68·4	52·0	59·7	+4·9	1	0·01	0·2	- 9	Newquay ..	13·2	+5·9	83	—	—	59·7	—	53·7	—
a Cullompton	202	85	31st	43	30th	77·7	48·0	62·0	+6·5	1	0·01	0·3	- 11	Cullompton ..	12·1	+5·5	76	0	38	64·6	—	—	—
t Portland Bill	19	73	31st	52	28-30, 3	66·0	54·0	59·6	+4·9	1	0·04	1	- 6	Weymouth ..	12·3	—	77	—	—	—	—	—	—
p Plymouth	116	78	31, 1	49	28th	72·6	53·6	62·5	+6·5	0	0·00	0	- 10	Plymouth ..	13·3	+6·0	83	0	42	64·6	+5·5	55·4	—
h Falmouth	167	75	31st	51	28, 3	68·3	53·7	60·6	+5·5	0	0·00	0	- 11	Falmouth ..	13·6	+5·9	85	0	45	65·8	—	55·9	—
9. IRELAND, N.																							
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
b, West .. *t* Blacksod Point ..	10	72	1st	42	31st	62·3	49·7	55·6	+2·3	2	0·05	1	- 15										
a Mallarany	120	73	31st	45	3rd	64·0	47·6	55·3	—	1	0·07	2	—	Mallarany ..	9·0	—	54	0	36	—	—	—	—
p Markree Castle.. ..	122	78	31, 1	40	30th	68·7	44·4	55·8	+3·2	3	0·04	1	- 16	Markree Castle	8·4	+2·3	51	0	34	58·2	+1·3	51·5	+0·1
b, East .. *p* Armagh.. ..	204	78	31st	44	3rd	70·4	48·1	58·6	+5·5	1	0·02	1	- 13	Armagh ..	10·5	+4·4	63	0	37	57·5	+1·7	51·6	0·0
t Donaghadee	35	72	30th	43	30th	65·4	47·6	56·0	+3·5	1	0·02	1	- 12										
														Trinity Coll. Phœnix Park	— 12·2	— +5·5	— 74	0 0	41 35	60·0 —	+3·6 —	53·4 —	+0·8 —
10. IRELAND, S.																							
p Dublin City	54	78	31st	47	3rd	69·7	53·1	60·9	+5·7	0	0·00	0	- 12	Dublin City ..	—	—	—	0	42	—	—	—	—
t Birr Castle	175	78	31, 1	42	3rd	70·3	47·4	58·2	+4·5	1	0·01	0·3	- 13	Birr Castle ..	10·5	+4·6	64	0	33	—	—	—	—
a Kilkenny	195	81	31st	41	3rd	72·6	45·4	58·2	+4·1	0	0·00	0	- 13										
a Waterford	137	75	30, 31	41	3rd	69·0	47·9	57 8	+3·0	0	0·00	0	- 14										
p Seskin, Carrick-on-Suir	542	79	31st	42	3rd	71·1	49·4	59·6	—	0	0·00	0	—	Seskin ..	11·8	—	72	0	38	—	—	—	—
a Foynes	50	82	31st	45	28, 29	70·9	48·7	59·1	+4·5	1	0·02	0·4	- 14										
t Cahirciveen (Val. Obs.)	30	77	31st	44	29th	66·0	50·3	57·7	+3·3	0	0·00	0·1	- 18	Cahirciveen ..	11·7	+5·0	72	0	41	—	—	—	—
a Killarney	174	82	30th	44	28th	78·0	48·8	62·5	+8·0	0	0·00	0	- 17	Ballinacurra	11·3	+4·6	70	—	—	—	—	—	—
t Roche's Point	32	67	29,31,1	45	28th	63·7	49·3	56·1	+1·8	1	0·01	0·3	- 15										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	74	31st	50	28, 3	67·0	52·9	59·5	+4·4	0	0·00	0	- 11	Scilly ..	12.7	+4·9	80	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	80	1st	52	28,29,3	67·9	53·0	60·0	+3·5	1	0·01	0·2	- 12	Guernsey ..	12·6	+4·3	79	0	46	66·8	- 7·3	57·5	+2·1

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, June 3rd, 1922.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.		Mid Time.	Speed.		Time.		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d. hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	27, 30 to 2	48	56	60	4	0	280	38	17	27 7	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	0	82	86	0	210	11	5	28 11	32	14	28	10	40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	11	117	40	0	250 / 280	15	7	28 { 15 / 17	—	—	—	—	—
Edinburgh	485	39	31	—	0	2	1	90	61	16	0	270	25	11	2 18	33	15	2	17	45
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	—	0	48	67	53	0	290	24	11	2 17	34	15	2	16	40
Paisley	188	81	15	—	0	—	0	27	98	43	0	270	15	7	30 15	42	19	28	13	55
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	—	0	5	117	46	0	220	15	7	28 15	32	14	28	14	40
South Shields	72	61	12	—	0	—	0	58	91	19	0	280	21	9	28 18	33	15	28	18	20
Spurn Head	67	41	‡	—	0	3	1	33	116	18	0	330	26	11	3 1	32	14	3	0	40
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	—	0	37	78	53	0	350	22	10	3 9	33	15	3	9	5
Shoeburyness	103	90	‡	—	0	—	0	4	84	80	0	110	13	6	28 1	24	11	3	6	35
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	2	50	113	3	340	13	6	1 22	25	11	2	23	5
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	7	102	50	9	—	16	7	1 21	25	11	1	21	45
Larkhill, S'y Plain ..	513	63	43	—	0	3	1	40	74	53	0	10	25	11	3 8	30	13	3	7	50
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	5	83	80	0	100	14	6	1 18	19	9	1	18	10
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	2, 3	6	39	94	29	0	330	29	13	2 21	—	—	—	—	—
Southport	80	62	48	—	0	2	4	36	109	19	0	330	26	12	2 21	34	15	2	21	5
Holyhead	60	40	‡	—	0	—	0	36	75	57	0	290	18	8	3 8	28	13	2	3	55
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	—	0	—	0	53	82	33	0	—	20	9	3 11	31	14	3	13	0
Plymouth	185	88	2	—	0	—	0	49	65	54	0	—	19	8	3 7	34	15	3	6	25
Lyme Regis	556	61	‡	Defective Records																
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	2	1	35	81	51	0	260	26	12	2 12	—	—	—	—	—
Quilty	100	40	‡‡‡‡‡	—	0	2	5	39	47	77	0	—	26	11	2 7	34	15	2	8	55
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡‡	—	0	—	0	50	69	49	0	190	20	9	1 12	38	17	2	9	5
Weaver Pt.	160	30	‡	—	0	—	0	26	97	45	0	—	23	10	2 14	35	15	2	13	35
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	Out of Action.																

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SECOND WEEK of 1922—May 28th to June 3rd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	75	39	59·4	45·5	52·0	+ 1·5	70	+10	0	- 1	3	- 1	0·19	5	- 10	4·2	- 1·4	23	1019
Eastern.																			
1. SCOTLAND, EAST ..	78	32	65·4	45·1	54·7	+ 3·1	89	+22	0	- 1	1	- 2	0·01	0	- 13	8·6	+2·1	50	1020
2. ENGLAND, N.E. ..	84	40	72·7	50·0	60·7	+ 7·6	131	+53	0	0	0	- 3	0·00	0	- 11	10·6	+4·3	64	1022
3. ENGLAND, EAST ..	83	39	72·6	51·8	61·6	+ 6·5	137	+45	0	0	1	- 2	0·03	1	- 9	10·3	+3·1	63	1022
4. MIDLAND COUNTIES	85	38	76·5	50·4	62·7	+ 8·0	145	+55	0	0	0	- 3	0·00	0	- 12	9·7	+3·4	59	1022
5. ENGLAND, S.E. ..	85	41	73·9	52·1	62·3	+ 6·5	142	+45	0	0	1	- 2	0·06	2	- 8	11·1	+3·7	69	1022
Western.																			
6. SCOTLAND, WEST ..	82	37	67·7	46·5	56·5	+ 3.6	101	+25	0	0	1	- 3	0·15	4	- 13	—	—	—	1021
7. ENGLAND, N.W. ..	86	40	69·9	49·9	59·3	+ 5·4	121	+38	0	0	0	- 3	0·00	0	- 14	11 6	+4·9	70	1022
8. ENGLAND, S.W. ..	85	36	72·0	50·9	60·8	+ 6·0	132	+42	0	0	1	- 2	0·01	0	- 11	12·0	+5·1	75	1022
9. IRELAND, NORTH ..	78	40	67·4	47·4	56·8	+ 3·9	104	+27	0	0	2	- 2	0·03	1	- 14	9·5	+3·3	57	1021
10. IRELAND, SOUTH ..	82	41	70·0	48·9	58·8	+ 4·4	118	+31	0	0	0	- 3	0·00	0	- 15	11·4	+4 9	70	1023
11. ENGLISH CHANNEL..	80	50	67·6	53·0	59·8	+ 3·9	125	+28	0	0	1	- 2	0·01	0	- 12	12·7	+4·5	80	1021
MEAN: DISTRICTS 1-10	86	32	70·8	49·3	59.4	+ 5·5	122	+38	0	0	1	- 3	0·03	1	- 12	10 5	+3·9	64	1022

THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, May 28th to June 3rd, 1922.

0. SCOTLAND, NORTH ..	75	39	59·4	45·5	52·0	+1·5	70	+10	0	- 1	3	- 1	0·19	5	- 10	4·2	- 1·4	23	1019
Eastern.																			
1. SCOTLAND, EAST ..	78	32	65·4	45·1	54·7	+3·1	89	+22	0	- 1	1	- 2	0·01	0	- 13	8·6	+ 2·1	50	1020
2. ENGLAND, N.E. ..	84	40	72·7	50·0	60·7	+7·6	131	+53	0	0	0	- 3	0 00	0	- 11	10·6	+ 4·3	64	1022
3. ENGLAND, EAST ..	83	39	72·6	51·8	61·6	+6·5	137	+45	0	0	1	- 2	0·03	1	- 9	10·3	+ 3·1	63	1022
4. MIDLAND COUNTIES	85	38	76·5	50·4	62·7	+8·0	145	+55	0	0	0	- 3	0·00	0	- 12	9·7	+ 3·4	59	1022
5. ENGLAND, S.E. ..	85	41	73·9	52·1	62·3	+6·5	142	+45	0	0	1	- 2	0·06	2	- 8	11·1	+ 3·7	69	1022
Western.																			
6. SCOTLAND, WEST ..	82	37	67·7	46·5	56·5	+3·6	101	+25	0	0	1	- 3	0·15	4	- 13	—	—	—	1021
7. ENGLAND, N.W. ..	86	40	69·9	49·9	59·3	+5·4	121	+38	0	0	0	- 3	0·00	0	- 14	11·6	+ 4·9	70	1022
8. ENGLAND, S.W. ..	85	36	72.0	50·9	60·8	+6·0	132	+42	0	0	1	- 2	0·01	0	- 11	12·0	+ 5·1	75	1022
9. IRELAND, NORTH ..	78	40	67·4	47·4	56·8	+3·9	104	+27	0	0	2	- 2	0·03	1	- 14	9·5	+ 3·3	57	1021
10. IRELAND, SOUTH ..	82	41	70·0	48·9	58·8	+4·4	118	+31	0	0	0	- 3	0·00	0	- 15	11·4	+ 4·9	70	1023
11. ENGLISH CHANNEL..	80	50	67·6	53·0	59·8	+3·9	125	+28	0	0	1	- 2	0·01	0	- 12	12·7	+4·5	80	1021
MEAN: DISTRICTS 1-10..	86	32	70·8	49·3	59·4	+5·5	122	+38	0	0	1	- 3	0·03	1	- 12	10·5	+3·9	64	1022

THE YEAR. Aggregates, &c., for the Period of 22 Weeks, January 1st to June 3rd, 1922.

0. SCOTLAND, NORTH ..	75	18	46·3	35·9	40·9	- 0·5	324	-118	489	- 49	103	- 1	20·08	511	- 19	3·2	0·0	26	1007
Eastern.																			
1. SCOTLAND, EAST ..	78	8	46·5	34·7	40·5	- 0·8	391	-123	627	+10	92	+ 4	11·71	299	+ 6	3·6	- 0·1	30	1009
2. ENGLAND, N.E. ..	84	12	48·8	36·6	42·5	- 0·1	592	+19	509	+37	82	+ 2	9·40	240	+18	4·1	+ 0·1	35	1011
3. ENGLAND, EAST ..	89	16	50·4	37·5	43·8	+0·6	704	+ 6	431	- 63	80	+ 2	10·43	265	+49	4·6	+ 0·4	38	1012
4. MIDLAND COUNTIES	86	11	50·5	36·4	43·2	+0·1	686	- 36	496	- 26	85	+ 8	12·24	310	+62	3·8	+ 0·1	32	1012
5. ENGLAND, S.E. ..	88	17	51·5	38·7	44·9	+0·5	770	+ 2	318	- 61	83	+ 7	12·13	309	+60	4·7	+ 0·5	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	48·8	36·4	42·4	- 0·6	508	- 82	448	+32	89	- 5	20·10	511	+54	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	49·1	38·1	43·4	- 0·1	577	- 48	360	- 22	82	- 1	12·61	322	+ 3	4·3	+ 0·5	36	1011
8. ENGLAND, S.W. ..	85	13	51·1	39·1	45·0	+0 2	722	- 26	268	- 33	89	+ 6	16·18	415	+51	4·6	+ 0·5	38	1012
9. IRELAND, NORTH ..	78	22	50·1	38·7	44·3	+0 3	628	- 25	279	- 61	102	+ 1	15.91	405	+40	4·1	+ 0·5	34	1009
10. IRELAND, SOUTH ..	82	23	51·8	40·0	45·7	+0 2	781	- 31	203	- 57	96	+ 6	15·41	391	- 5	4 4	+ 0·4	37	1011
11. ENGLISH CHANNEL..	81	28	52·7	43·7	48·1	+0·8	987	+64	50	- 55	95	+ 6	14·97	380	+75	4·8	- 0·1	40	1013
MEAN: DISTRICTS 1-10..	89	8	49·9	37·6	43·6	0·0	636	- 34	394	- 24	88	+ 3	13·61	347	+34	4·2	+ 0·3	35	1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
9th June, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

METEOROLOGICAL OFFICE
19 JUN 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 23.

TWENTY-THIRD WEEK.

SUNDAY, JUNE 4TH, TO SATURDAY, JUNE 10TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again fine and sunny in most parts of the British Isles, although towards the end of the period a few rather heavy falls of rain were recorded, notably in Scotland and Ireland. In many parts of England there was no break in the drought, a number of places again reporting a rainless week. Amongst the stations with the largest consecutive number of days without rain up to June 10th were:—Margate 24 days, Cranwell, Hawarden Bridge, Nottingham and Spurn Head 19 days, Holyhead, Lincoln and Sheffield 18 days, Porton (Salisbury Plain) and London (Camden Square and Hampstead) 17 days, and Cambridge, Raunds (Northampton), Rothamsted and Yarmouth 16 days. Maximum temperatures of about 80°F. were registered at a few stations, but the day temperatures over the country, as a whole, were considerably lower than those of the previous week, when in some parts of England readings of 85°F. were reached, the actual highest being 89°F. at West Kirby (near Birkenhead) on June 1st (the highest recorded at that station, for the time of year, since observations began). The screen minimum temperatures, which varied a good deal, were in some places rather low, the readings on the morning of the 4th being only slightly above the freezing point at Marlborough, Porton, and Rhayader (Radnor), while frost on the grass was registered in several parts of the country. The mean temperature for the week was above the normal in all districts, and at several stations the mean daily range of temperature was between 25°F. and 30°F. Amongst the largest amounts of rain reported were 11mm. at Guernsey on the 7th, 15mm. at Rounton (N. Riding), 14mm. at Ford (Argyll), 13mm. at Fort William, 12mm. at Roche's Point and 10mm. at Renfrew and Kilkenny on the 9th, and 14mm. at Strathpeffer on the 10th. The largest records of sunshine were generally obtained during the first four days of the week, when a large number of stations registered 15 hours and more. The mean amount of sunshine for the week was above the normal in most parts of England and Scotland, but in Ireland it was below. The departure of the mean duration from the normal for the week ranged from +6·5 hours at Cromer to −3·3 hours at Deerness. Solar halos were observed at St. Leonard's on the 5th, at Tenbury and Ross-on-Wye on the 8th, and at Oxford on the 5th, 8th and 10th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	18	7	3·3	10	5	2·3	12	7	3·0	4	3	1·4	7	4	1·9	—	—	—	11	4	1·7	11	5	2·1
North	3	6	2·9	2	2	0·9	12	6	2·6	8	4	1·6	10	5	2·2	—	—	—	7	4	1·7	9	5	2·2
West	17	13	5·9	18	12	5·3	7	6	2·6	6	4	1·9	15	7	3·0	—	—	—	12	9	3·8	14	7	3·3
East	9	6	2·8	0	—	—	17	9	4·1	14	10	4·3	4	3	1·5	—	—	—	7	4	2·0	7	3	1·4
Calm (or wind-speed < 4 m.p.h.)	2	—	—	10	—	—	1	—	—	8	—	—	9	—	—	—	—	—	8	—	—	7	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	—
	Rainfall ..	Moderate	Light	Light	Very Light	Very Light	Very Light	Moderate	Very Light	Light	Light	Light	—
	Sunshine ..	Scanty	Moderate	Very Abundant	Very Abundant	Very Abundant	Very Abundant	—	Abundant	Abundant	Scanty	Moderate	—

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 2 weeks from May 28th, 1922.	Warmth ..	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	2, 0, 0	1, 1, 0	1, 1, 0	—
	Rainfall ..	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	—
	Sunshine ..	0, 0, 2	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	—	2, 0, 0	2, 0, 0	1, 0, 1	1, 1, 0	—

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
a Islands: t Lerwick	54	56	7th	44	8th	52·3	45·4	48·6	+0·7	4	0·11	3	- 5										
a Islands: p Deerness, Orkney	165	59	7th	44	9th	54·6	45·4	49·6	+0·6	3	0·18	5	- 3	Deerness	2·5	- 3·3	14	—	—	—	—	—	—
a Islands: t Stornoway	51	66	8th	40	5th	58·1	47·6	52·5	- 1·9	3	0·24	6	- 5	Stornoway	5·2	- 1·2	29	—	—	—	—	—	—
a Islands: t Castlebay, Barra I.	37	61	8th	47	5th	55·0	49·9	52·3	—	1	0·06	1	—	Castlebay	—	—	—	—	—	—	—	—	—
b, Mainland: t Wick	81	57	4th	43	5th	54·1	44·7	49·1	- 0·9	4	0·30	7	- 1										
b, Mainland: a Strathpeffer	125	73	7th	39	6th	62·6	45·4	53·4	+0·6	2	0·73	19	+11										
b, Mainland: p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland: a Fort Augustus	68	76	7th	44	10th	61·0	46·7	53·4	+1·2	4	0·37	9	- 1										
b, Mainland: p Fort William	171	74	7th	45	5th	60·9	48·0	540·	+0·4	3	0·74	19	+ 3										
1. SCOTLAND, E.																							
t Nairn	82	65	7th	40	7th	61·1	46·4	53·2	+0·9	4	0·14	4	- 4	Nairn	5·4	—	31	—	—	—	—	—	—
p Gordon Castle	101	67	7, 8	43	8th	62·4	46·0	53·6	+0·9	3	0·09	2	- 7	Gordon Castle	5·9	—	33	—	—	—	—	—	—
t Aberdeen	46	68	8th	46	4, 5, 7	62·7	48·1	54·9	+3·1	2	0·36	9	+ 1	Aberdeen	6·1	- 0·2	35	0	33	—	—	—	—
a Balmoral	930	77	8th	36	7th	65·3	42·6	53·2	+2·6	2	0.04	1	- 8	Balmoral	—	—	—	0	32	—	—	—	—
p Crieff	432	76	8th	41	7th	65·6	45·7	55·0	+1·1	1	0·08	2	- 9	Crathes	6·6	+0·6	38	0	35	54·8	—	47·9	—
a Dundee	244	81	8th	41	7th	67·4	44·6	55·2	+1·8	1	0·11	3	- 5	Dundee	7·6	—	43	0	34	57·1	—	—	—
t Inchkeith (F. of Forth)	190	69	8th	46	7th	59·7	48·3	53·6	—	2	0·03	1	—	Inchkeith (F. of Forth)	7·0	—	41	0	40	—	—	—	—
p Edinburgh	441	76	8th	41	6th	64·6	47·0	55·2	+3·0	1	0·01	0·2	- 8	Edinburgh	7·2	+1·0	41	0	40	—	—	—	—
a West Linton	769	70	9th	31	7th	64·0	42·4	52·5	+2·0	2	0·03	1	—	West Linton	—	—	—	1	27	—	—	—	—
a Marchmont	498	80	8th	41	6th	68·9	46·9	57·1	+5·1	0	0·00	0	- 10	Marchmont	7·9	+1·7	45	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	79	7th	38	7th	62.6	44·9	53·1	—	5	0·80	20	—	Ford (Argyll)	—	—	—	0	37	56·6	—	51·4	—
t Renfrew	49	75	7th	35	7th	64·3	47·0	55·1	—	2	0·43	11	—	Renfrew	5·6	—	32	1	29	—	—	—	—
b Rothesay	200	69	7, 8	45	7th	62.0	48·4	54·7	+0·4	4	0·29	7	- 6	Rothesay	4·8	—	28	0	38	56·9	—	52·0	+0·5
a Kilmarnock	90	79	7th	39	7th	67·9	48·9	57·7	+4·1	3	0.18	5	- 5	Kilmarnock	5·0	—	29	—	—	57·3	—	50·7	—
a Colmonell	170	75	7th	39	7th	65·7	49·0	56·8	+3·6	2	0·23	6	- 5	Colmonell	—	—	—	0	35	—	—	—	—
p Dumfries	160	76	7th	42	4, 5	66·1	46·9	55·8	+0·7	2	0·06	1	- 9	Dumfries	7·4	—	43	0	32	57·4	0·0	51·9	- 1·4
t Eskdalemuir	794	75	7th	37	4th	65·1	45·0	54·4	—	2	0·16	4	—	Eskdalemuir	6·9	—	40	1	30	—	—	—	—
b, I. OF MAN h Douglas	284	72	8th	42	4th	64·4	49·1	56·2	+2·3	1	0·05	1	- 9	Douglas	7·6	- 0·1	45	0	39	—	—	—	—
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	77	8th	40	6th	68·6	45·0	56·0	+3·5	1	0·04	1	- 11	Cockle Park	8·7	+2·9	51	2	29	57·7	+2·6	52·6	+1·4
a North: t Tynemouth	118	72	8th	44	4th	64·6	46·6	55·0	+2·7	1	0·12	3	- 8	Tynemouth	—	—	—	0	38	—	—	—	—
a North: p Durham	336	76	7, 8	38	6th	68·4	43·9	55·3	+2·1	1	0·11	3	- 7	Durham	9·3	+3·7	55	3	25	—	—	—	—
a North: p Rounton	249	—	—	38	6th	—	43·7	—	—	1	0·59	15	+ 2	Rounton	—	—	—	3	29	58·7	—	—	—
a North: a West Witton	605	75	7, 8	37	6th	67·1	44·9	55·2	—	2	0·21	5	—	West Witton	—	—	—	0	36	58·5	—	50·8	—
a North: h Scarborough	118	70	7th	46	4th	63·4	49·3	55·9	+2·3	2	0·18	5	- 5	Scarborough †	10·2	+4·4	61	—	—	—	—	57·1	—
a North: p York	56	77	7th	43	4, 6	69·4	47·4	57·6	+2·1	2	0·06	2	- 9	York	10·6	+4·9	63	—	—	56·8	+0·9	52·2	+0·3
b, South: t Spurn Head	26	68	4, 10	47	4th	65·0	50·9	57·5	+3·6	0	0·00	0·1	- 8	Spurn Head	10·1	—	60	—	—	—	—	—	—
b, South: a Lincoln	58	78	7th	42	4th	71·4	47·4	58·6	+2·4	0	0·00	0	- 11	Lincoln	—	—	—	0	39	61·5	+3·6	54·6	+2·0
b, South: t Cranwell	237	75	7th	40	4th	69·9	44·7	56·4	+0·8	0	0·00	0	- 11	Cranwell	11·6	+5·2	70	0	33	—	—	—	—
														Skegness	12·5	+5·7	76	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	72	9th	46	4th	64·6	49·1	56·3	+1·7	1	0·03	1	- 11	Cromer	12·8	+6·5	77	—	—	—	—	—	—
a Little Massingham	277	70	6, 7	45	4th	68·3	47·6	57·2	+2·1	1	0·07	2	- 13	Lit Massingham	11·4	+5·1	69	—	—	—	—	—	—
t Yarmouth	13	70	9th	44	4th	63·1	51·1	56·7	+1·8	0	0·00	0	- 12	Yarmouth	12·5	—	76	0	39	62·6	+2·8	57·0	+1·7
a Norwich	93	73	6th	42	4th	69·7	47·6	57·9	+1·9	1	0·06	2	- 11	Norwich	12·5	—	76	0	38	64·1	—	—	—
a Geldeston	37	71	9th	39	4th	66·9	45·4	55·4	0 0	1	0·05	1	- 11	Geldeston	11·9	+5·1	72	—	—	—	—	—	—
p Cambridge	41	75	6, 7	39	4th	72·4	45·7	58·1	+1·5	0	0·00	0	- 14	Cambridge	11·7	+5·2	71	1	30	63·1	+3·7	57·1	+2·2
t Clacton-on-Sea	54	71	10th	46	4th	64·6	52·4	58·1	+2·5	0	0·00	0	- 10	Clacton-on-Sea	11·6	+4·4	71	0	41	61·1	+2·9	57·1	+1·9
a Rothamsted	420	73	6, 7	43	4th	70·4	47·2	58·0	+2·5	0	0·00	0	- 15	Rothamsted	11·2	+4·8	68	1	30	62·1	—	—	—
p Tottenham	51	75	6, 7	47	4th	72·4	50·4	60·6	—	0	0·00	0	—	Tottenham	10·8	—	66	—	—	—	—	—	—
														Southend	10·5	—	64	0	45	62·6	—	—	—
4. MIDLAND COUNTIES.																							
North: h Harrogate	479	75	7th	41	4th	66·7	44·3	54·7	+0·8	2	0·07	2	- 13	Harrogate	11·0	+4·7	65	0	34	56·7	+2·8	53·7	+2·0
North: p Sheffield	429	76	7th	45	4, 6	69·7	48·3	58·3	—	0	0·00	0	—	Sheffield	11·2	+5·6	67	0	38	57·8	+2·5	52·6	+2·5
North: p Buxton	987	74	7th	39	4th	68·0	43·9	55·1	+2·3	1	0·02	1	- 19	Buxton	10·1	—	60	0	32	62·7	+7·3	51·8	+2·2
b, East: a Worksop	56	80	7th	40	4, 6	73·3	43·4	57·3	+1·6	1	0·02	1	- 11	Worksop	11.1	+5·6	66	0	31	60·4	—	55·3	—
b, East: t Nottingham	82	79	7th	43	4th	71·0	46·6	58·0	+1·8	0	0·00	0	- 12	Nottingham	10·5	+4·5	63	0	36	65·7	+7·7	57·4	+4 3
b, East: p Birmingham, Edgbsn.	525	77	7th	45	5th	71·0	49·0	59.2	+3·2	2	0·07	2	- 12	Birmingham	9·4	+4·4	57	1	27	58·6	+5·5	51·0	+1·8
b, East: a Raunds	213	77	7th	41	4, 5	71·9	45·1	57·6	+1·1	0	0·00	0	- 12	Raunds	11·2	—	68	0	35	65·1	—	—	—
b, East: p Oxford	208	77	7th	42	4th	72·7	46·9	58·9	+1·9	1	0·01	0	- 14	Oxford	11·5	+5·1	70	0	33	—	—	—	—
														Malvern	10·1	—	62	0	37	62·3	—	57·6	—
c, West: a Cheadle (N. Staffs.)	646	75	7th	42	4th	70·0	47·0	57·7	+3·1	1	0·02	1	- 15	Cheadle	—	—	—	0	34	—	—	—	—
c, West: p Tenbury	313	76	7, 10	34	4th	71·3	41·9	55·6	0·0	0	0·00	0	- 12	Tenbury	—	—	—	1	30	60·2	—	—	—
c, West: a Hereford	291	78	7, 10	35	4th	71·9	43·9	56·9	+0·4	2	0·07	2	- 11	Ross on Wye	9·8	—	60	0	32	66·2	—	59·2	—
c, West: a Clifton	225	77	6, 7	46	4th	72·6	51·0	61·1	+2·9	1	0·04	1	- 14	Clifton	9·8	—	60	0	45	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	79	7th	33	4th	72·7	41·7	56·1	+0·8	2	0·04	1	- 16	Worthing	11.1	+3·7	69	0	42	62·6	+2·0	56·5	+1·2
a Porton	340	79	7th	34	4th	72·4	42·9	56·6	—	0	0·00	0	—	Marlborough	9·8	+3·9	60	1	30	61·1	—	55·1	—
a Wisley, Surrey	150	79	7th	40	4th	73·9	45·7	58·8	+2·1	1	0·01	0·3	- 13	Porton	—	—	—	2	26	63·2	—	—	—
h Tunbridge Wells	354	75	7th	43	5th	71·0	48·3	58·9	+2·4	1	0·09	2	- 13	Wisley, Surrey	10·2	+3·6	63	1	30	63·4	+4·8	57·0	+2·7
h Margate	51	74	9th	49	4th	65·7	53·3	59·1	+2·3	0	0·00	0	- 13	Tunbridge Wells	11·0	+4·4	68	0	33	59·6	—	55·3	—
														Margate	11·3	+5 0	70	0	45	66·1	+6·7	61·0	+5·5
t Dungeness	21	72	10th	45	4, 5	65·6	51·6	58·1	+2·0	0	0·00	0	- 11	Folkesto	11·3	—	70	0	40	—	—	55·9	—
h St. Leonards	178	73	7th	49	4th	67·7	52.5	59·6	+3·0	2	0·06	1	- 12	St. Leonards	11·5	+4·2	71	0	42	63·3	—	56·5	—
p Southampton	64	78	7th	45	5th	72·6	50·6	60·8	+2·4	2	0·40	10	- 5	Southampton	10·1	+3·2	62	0	35	—	—	—	—
a Ventnor	59	70	6, 7	50	4th	66·6	54·3	60·0	+2·6	2	0·30	7	- 7	Ventnor	8·7	+1·8	54	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	75	7, 9	47	4, 5	72·3	51·1	61·0	+3·3	1	0·01	0·3	- 16	Richmond	10·8	+4·4	66	0	33	62·2	+3·7	56·1	+2·4
a Westminster	27	76	5th	48	5th	72·9	52·4	61·9	+3·6	0	0·00	0	- 14	Westminster	10·4	+4·8	64	0	41	—	—	—	—
ar Greenwich	149	79	9th	44	5th	73·9	48·6	60·4	+2·2	0	0·00	0	- 15	Greenwich	11·0	+4·6	67	2	30	—	—	—	—
a Hampstead	450	74	10th	45	4th	71·1	50.6	60·1	—	0	0·00	0	—	Hampstead	11·4	—	70	0	33	—	—	—	—
a Camden Square	110	79	7th	49	4, 5	75·0	51·3	62·3	+2·9	0	0·00	0	- 15	Camden Square	—	—	—	0	43	65·5	—	56·5	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	73	7th	42	4th	63·9	47·0	54·9	+0 6	1	0.04	1	- 10	Aspatria	7·3	+0·3	43	0	39	57·1	+1·1	51·4	+0·6
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	76	8th	41	6th	67·4	47·6	56.8	+2·1	1	0·13	3	- 10	Stonyhurst	11·3	+4·8	67	0	35	—	—	—	—
h Blackpool	66	78	7th	41	6th	65·6	49·9	57 2	+2·3	1	0·01	0	- 9	Blackpool	10·6	+2·8	63	1	30	59 0	—	51·8	—
h Southport	37	79	7th	41	6th	66 3	49·8	57·5	+2 2	0	0·00	0	- 9	Southport	10·5	+2·9	63	0	32	63·1	+3·5	58·0	+2·3
														Hoylake	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston)	188	78	7th	48	4th	67·3	51·9	59·1	+3·2	0	0·00	0	- 9	Liverpool	10·4	—	62	0	39	—	—	—	—
a Hawarden Bridge	22	79	7th	44	4th	68·7	51 6	59·6	+3·1	0	0.00	0	- 8	Manchester City	10·2	+4·3	61	0	42	60·2	+2·8	54·9	+1·1
p Manchester (Whit. Pk.)	125	82	7th	42	6th	72·3	49·1	59·9	+3·1	1	0.05	1	- 10	„ Whit. Pk.	9·8	+4·2	59	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	79	7th	37	6th	65.3	46·0	55·0	- 0·9	1	0·06	2	- 7	Llandudno	9.5	+1·9	57	—	—	—	—	—	—
t Holyhead	15	74	7th	47	6th	63·4	50·9	56.7	+2·2	0	0·00	0	- 9	Holyhead	—	—	—	0	42	—	—	—	—
a Aberdovey	60	76	7th	47	4th	66·7	53·3	59·5	—	2	0·09	2	—	Aberdovey	8·0	+0·9	48	0	36	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked g a Glaisher stand is used. † Earth temperature at 3 feet

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	74	7th	42	4, 5	64·7	49·0	56·3	—	3	0·09	2	—									
a Rhayader	757	73	6th	33	4, 5	68·0	42·1	54·1	—	2	0·08	2	—									
t Pembroke	149	68	6th	45	4th	61·4	50·6	55·6	+0·7	2	0·33	8	- 4	Aberystwyth	7·6	+1·2	46	—	—	—	—	—	—
p Cardiff	202	74	6th	42	5th	69·6	49·4	58·8	+2·1	2	0·05	1	- 14	Rhayader ..	8·8	—	54	3	22	—	—	—	—
														Pembroke ..	7·9	+0·7	48	—	—	—	—	—	—
														Cardiff ..	8·8	—	54	0	34	62·9	+3·4	56·0	+2·0
b, ENGLAND, S.W.																							
h Bath	66	78	7th	39	4th	72·1	46·9	58·6	+1·5	0	0·00	0	- 13	Bath	9·0	+2·3	55	—	—	63·0	—	57·4	—
a Shaftesbury	722	78	9th	45	4th	71·0	49·7	59·6	+4·0	1	0·03	1	- 12	Shaftesbury ..	—	—	—	—	—	62·9	—	57·0	—
a Arlington	613	74	6th	41	4, 5	67·6	49·1	57·7	+2·7	4	0·13	3	- 16										
h Newquay	190	72	6th	45	5th	62·9	52·4	57·3	+1·3	3	0·31	8	- 3	Newquay ..	8·8	+1·6	54	—	—	60·5	—	55·2	—
a Cullompton	202	78	6th	38	4, 5	72·6	47·4	59·1	+2·2	3	0·09	2	- 11	Cullompton ..	8·9	+2·5	55	0	32	65·0	—	—	—
t Portland Bill	19	64	5, 6	49	5th	62·6	52·7	57·3	+1·2	2	0·10	3	- 5	Weymouth ..	9·3	—	57	—	—	—	—	—	—
p Plymouth	116	73	6th	46	4th	69·8	53·3	60·7	+3·4	2	0·24	6	- 6	Plymouth ..	8·6	+1·6	53	0	38	64·5	+4·3	57·1	—
h Falmouth	167	69	6th	46	4th	66·4	52·7	59·1	+2·6	2	0·15	4	- 9	Falmouth ..	8·6	+1·2	53	0	39	64·8	—	60·0	—
9. IRELAND, N.																							
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	70	7th	41	7th	61·6	47·3	54·0	- 0·6	2	0·16	4	- 14										
a Mallarany	120	69	7th	46	7th	62·7	49·9	55·9	—	1	0·11	3	—	Mallarany ..	5·9	—	35	0	34	—	—	—	—
p Markree Castle.. ..	122	70	7th	38	7th	64·3	45·4	54·2	+0·3	2	0·22	6	- 8	Markree Castle	4·8	- 1·1	28	0	32	58·5	+0·7	52·9	+0·5
p Armagh..	204	71	7, 8	41	7th	65·0	47·0	55·4	+0·9	4	0·09	2	- 10	Armagh ..	4·4	- 1·6	26	1	28	57·1	+0·3	53·2	+0·6
b, East .. *t* Donaghadee	35	69	8th	42	4th	62·3	48·0	54·7	+0·9	2	0·08	2	- 10										
														Trinity Coll. Phœnix Park	5·8	—	34	0	36	59·0	+1·5	54·8	+1·2
																- 0·9		0	32	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	66	8, 10	46	4th	63·3	51·3	56·9	+ ·3	1	0·15	4	- 6	Dublin City ..	—	—	—	0	41	—	—	—	—
t Birr Castle	175	71	8th	39	6th	65·6	46·1	55·2	0·0	3	0·07	2	- 10	Birr Castle ..	5·1	- 0·7	31	1	30	—	—	—	—
a Kilkenny	195	70	6th	35	4th	65·7	46·4	55·4	- 0·1	2	0·45	11	- 1										
a Waterford	137	69	8th	41	4th	64·6	48·3	55·9	- 0·3	2	0·20	5	- 8										
p Seskin, Carrick-on-Suir	542	70	6, 8	40	4th	67·6	47·3	56·7	—	2	0·16	4	—	Seskin ..	6·9	—	42	0	34	—	—	—	—
a Foynes	50	73	8th	46	4th	67·6	50·0	58·2	+2·2	3	0·15	4	- 9										
t Cahirciveen (Val. Obs.)	30	69	7th	46	4th	62·7	50·0	55·9	+0·3	2	0·06	1	- 16	Cahirciveen ..	6·2	- 0·5	38	0	40	—	—	—	—
a Killarney	174	75	7th	41	4th	69·3	50·6	59·3	+3·4	3	0·45	11	- 4	Ballinacurra	5·8	- 0·9	35	—	—	—	—	—	—
t Roche's Point	32	70	9th	44	4th	63·9	51·3	57·2	+1·5	3	0·51	13	- 1										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	70	7th	50	5th	65·7	53·4	59·1	+1·9	2	0·85	22	+ 9	Guernsey ..	8·8	+1·3	55	0	43	66·0	+5·7	59·6	+3·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 10th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h.: Dates of Occurrence.	More than 38 m.p.h.: Duration.	25 to 38 m.p.h.: Dates of Occurrence.	25 to 38 m.p.h.: Duration.	13 to 24 m.p.h.: Duration.	4 to 12 m.p.h.: Duration.	Less than 4 m.p.h.: Duration.	No Record: Duration.	Extreme Velocities. Highest Hourly Wind.: Veer from N.	Speed.	Mid Time.	Highest Gust.: Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	d. hr.	m.p.h	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	3, 5	4	73	78	13	0	270	26	12	3 15	—	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	48	120	0	220	9	4	4 16	21	9	4 16 35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	3	128	37	0	230	13	6	4 16	—	—	— — —
Edinburgh	485	39	31	—	0	—	0	64	60	44	0	260	20	9	4 13	31	14	4 17 35
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	—	0	23	83	62	0	220	22	10	4 14	31	14	4 14 5
Paisley	188	81	15	—	0	—	0	18	109	41	0	300	15	7	10 17	31	14	4 15 25
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	0	97	59	12	210	11	5	4 16	23	10	4 15 30
South Shields	72	61	12	—	0	—	0	28	82	40	18	280	18	8	4 10	27	12	4 10 10
Spurn Head	67	41	‡	—	0	—	0	49	97	22	0	300	18	8	10 23	23	10	10 22 45
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	45	106	17	0	180	21	9	9 13	26	12	9 13 5
Shoeburyness	103	90	‡	—	0	—	0	60	65	19	24	60	23	10	8 10	29	13	8 11 30
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	9	86	16	57	90	14	6	7 16	25	11	7 12 25
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	44	87	37	0	—	18	8	7 22	29	13	7 11 15
Larkhill, S'y Plain ..	513	63	43	—	0*	—	0	44	119	5	0	300	19	9	10 18	28	13	10 16 5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	26	95	47	0	110	20	9	7 16	30	14	7 14 55
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	10	1	29	125	13	0	320	26	11	10 23	—	—	— — —
Southport	80	62	48	—	0	9, 10	3	68	88	9	0	260	26	12	9 23	31	14	10 23 50
Holyhead	60	40	‡	—	0	—	0	25	87	56	0	270	17	7	5 2	25	11	10 17 45
8. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	6, 7	3	46	95	24	0	90	29	13	7 2	36	16	7 2 0
Plymouth	185	88	2	—	0	—	0	22	102	44	0	—	17	8	6 13	31	14	{ 6 13 20 }
Lyme Regis	556	61	‡				Defective	Records										{ 7 8 35 }
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	21	108	39	0	270	19	9	10 8	—	—	— — —
Quilty	100	40	‡‡‡‡	—	0	—	0	29	70	69	0	—	18	8	7 16	28	12	7 15 5
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	21	97	50	0	340	18	8	10 14	26	12	7 14 35
Weaver Pt.	160	30	‡‡‡‡	—	0	—	0	18	125	25	0	—	17	8	7 11	26	12	10 15 5
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—				Out of Action.									

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees!

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-THIRD WEEK of 1922—June 4th to June 10th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	76	39	58·2	46·3	51·8	+ 0·6	69	+ 2	0	0	3	0	0·41	10	− 2	3·9	− 1·7	21	1015
Eastern.																			
1. SCOTLAND, EAST ..	80	31	63·7	45·8	54·1	+ 1·7	85	+10	0	0	2	− 1	0·10	3	− 6	6·8	+0·7	39	1016
2. ENGLAND, N.E. ..	78	38	67·6	46·9	56·5	+ 2·8	101	+19	0	0	1	− 2	0·12	3	− 8	10·5	+4·4	63	1017
3. ENGLAND, EAST ..	75	39	68·0	48·5	57·6	+ 1·7	109	+12	0	0	1	− 2	0·02	1	− 12	11·7	+5·1	71	1017
4. MIDLAND COUNTIES	80	34	71·2	45·9	57.7	+ 1·8	110	+13	0	0	1	− 2	0·03	1	− 13	10·5	+4·4	64	1017
5. ENGLAND, S.E. ..	79	33	70·1	49·2	58·9	+ 2·0	118	+14	0	0	1	− 2	0·09	2	− 12	10·6	+3·7	65	1017
Western.																			
6. SCOTLAND, WEST ..	79	35	64·7	47·7	55·6	+ 1.5	95	+ 7	0	0	3	0	0·29	7	− 5	—	—	—	1017
7. ENGLAND, N.W. ..	82	37	66·8	49·3	57·4	+ 2·4	108	+17	0	0	1	− 2	0·04	1	− 9	9·3	+2·5	56	1017
8. ENGLAND, S.W. ..	78	33	68·1	49·4	58·1	+ 2·0	113	+14	0	0	2	− 1	0·12	3	− 11	8·5	+1·8	52	1017
9. IRELAND, NORTH ..	71	38	63·8	46·8	54·7	+ 0·5	89	+ 4	0	0	3	0	0·12	3	− 10	4·6	− 1·3	27	1017
10. IRELAND, SOUTH ..	75	35	65·3	49·3	56·7	+ 0·9	103	+ 6	0	0	2	− 1	0·25	6	− 8	5·7	− 0·7	34	1018
11. ENGLISH CHANNEL..																			
MEAN: DISTRICTS 1-10	82	31	66·9	47·9	56.7	+ 1·7	103	+12	0	0	2	− 1	0·12	3	− 9	8·7	+2·3	52	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, May 28th to June 10th, 1922.

0. SCOTLAND, NORTH ..	76	39	58·8	45·9	51·9	+1·0	139	+12	0	− 1	6	− 1	0·60	15	− 12	4·0	− 1·6	23	1017
Eastern.																			
1. SCOTLAND, EAST ..	80	31	64·5	45·5	54·4	+2·4	174	+32	0	− 1	3	− 3	0·11	3	− 19	7·7	+ 1·4	44	1018
2. ENGLAND, N.E. ..	84	38	70·1	48·5	58·6	+5·2	232	+72	0	0	1	− 5	0·12	3	− 19	10·6	+ 4·4	63	1019
3. ENGLAND, EAST ..	83	39	70·3	50·1	59·6	+4·1	246	+57	0	0	2	− 4	0·05	2	− 21	11·0	+ 4·1	67	1019
4. MIDLAND COUNTIES	85	34	73·9	48·1	60·2	+4·9	255	+68	0	0	1	− 5	0·03	1	− 25	10·1	+ 3·9	61	1019
5. ENGLAND, S.E. ..	85	33	72·0	50·7	60·6	+4·3	260	+59	0	0	2	− 4	0·15	4	− 20	10·8	+ 3·6	67	1019
Western.																			
6. SCOTLAND, WEST ..	82	35	66·2	47·1	56·1	+2·6	196	+32	0	0	4	− 3	0·44	11	− 18	—	—	—	1019
7. ENGLAND, N.W. ..	86	37	68·3	49·6	58·3	+3·8	229	+55	0	0	1	− 5	0·04	1	− 23	10·5	+ 3·7	63	1019
8. ENGLAND, S.W. ..	85	33	70.1	50·1	59·5	+4·0	245	+56	0	0	3	− 3	0·15	4	− 21	10·3	+ 3·5	63	1019
9. IRELAND, NORTH ..	78	38	65·6	47·1	55·7	+2·2	193	+31	0	0	5	− 2	0·15	4	− 24	7·0	+ 1·0	42	1019
10. IRELAND, SOUTH ..	82	35	67·7	49·1	57·7	+2·6	221	+37	0	0	2	− 4	0·25	6	− 23	8·6	+ 2·2	52	1021
11. ENGLISH CHANNEL..																			
MEAN: DISTRICTS 1-10..	86	31	68·9	48·6	58·1	+3·6	225	+50	0	0	2	− 4	0·15	4	− 21	9·6	+3·1	58	1019

THE YEAR. Aggregates, &c., for the Period of 23 Weeks, January 1st to June 10th, 1922.

0. SCOTLAND, NORTH ..	76	18	46·8	36·3	41·4	− 0·4	393	−116	489	− 49	106	− 1	20·49	521	− 21	3·2	− 0·1	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	47·3	35.2	41·1	− 0·7	476	−113	627	+10	94	+ 3	11·81	302	0	3·8	0·0	30	1009
2. ENGLAND, N.E. ..	84	12	49·6	37·0	43·1	+0·1	693	+38	509	+37	83	0	9·52	243	+10	4·4	+ 0·4	36	1011
3. ENGLAND, EAST ..	89	16	51·2	38·0	44·4	+0·6	813	+18	431	− 63	81	0	10·45	266	+37	4·9	+ 0·6	40	1012
4. MIDLAND COUNTIES	86	11	51·4	36·8	43·9	+0·2	796	− 23	496	− 26	86	+ 6	12·27	311	+49	4·1	+ 0·3	34	1012
5. ENGLAND, S.E. ..	88	17	52·3	39·2	45·5	+0·6	888	+16	318	− 61	84	+ 5	12·22	311	+48	4·9	+ 0·5	40	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	49·5	36·9	43·0	− 0·5	603	− 75	448	+32	92	− 5	20·39	518	+49	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	49·8	38·6	44·0	0·0	685	− 31	360	− 22	83	− 3	12·65	323	− 6	4·5	+ 0·6	37	1011
8. ENGLAND, S.W. ..	85	13	51·8	39·6	45·5	+0·2	835	− 12	268	− 33	91	+ 5	16·32	419	+41	4·7	+ 0·4	39	1012
9. IRELAND, NORTH ..	78	22	50·7	39·0	44·7	+0·2	717	− 21	279	− 61	105	+ 1	16.03	408	+30	4·2	+ 0·5	34	1010
10. IRELAND, SOUTH ..	82	23	52·4	40·4	46·2	+0·3	884	− 25	203	− 57	98	+ 5	15·66	397	− 13	4·5	+ 0·4	37	1011
11. ENGLISH CHANNEL..																			
MEAN: DISTRICTS 1-10 ..	89	8	50·6	38·1	44·1	+0·1	739	− 23	394	− 24	90	+ 2	13·73	350	+25	4·4	+ 0·4	36	1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
16th June, 1922.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 24.

TWENTY-FOURTH WEEK.
SUNDAY, JUNE 11TH, TO SATURDAY, JUNE 17TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather at the beginning and also at the end of the week was fine and dry, but from Tuesday to Thursday it was unsettled and showery and decidedly cool. Maximum temperatures between 75°F. and 80°F. were recorded on Monday, notably in the Midland counties and the eastern and south-eastern parts of England. During the next two days the drop in the day temperatures at a number of stations exceeded 20°F., while in London and also at South Farnborough the maximum temperatures on Wednesday were about 26°F. lower than those recorded on Monday, when readings of 79°F. had been obtained. For the week, as a whole, minimum temperatures were not exceptionally low, although frost on the grass was recorded in several places, the lowest being 26°F. at Rhayader (Radnor). The mean temperature for the week was below the normal in all districts, and the mean daily range of temperature was more than 20°F. in several places. In nearly all districts the rainfall for the week was less than the normal. Amongst the largest measurements were 17mm. at Crathes (Kincardine), 15mm. at Aberdeen and Alnwick Castle, 14mm. at Colmonell, 12mm. at Ford (Argyll) and Gordon Castle (Elgin) on the 12th, and 14mm. at Norwich, Little Massingham, Yarmouth, Geldeston (near Beccles) and 12mm. at Southampton on the 13th. Bright sunshine was above the normal at most stations; in many places during the early part of the week more than 15 hours were recorded. Amongst the largest amounts being 15·8 hours at Rhyl, 15·5 hours at Aberystwyth and also at Southport on the 11th. The departure of the mean duration from the normal for the week ranged from +4·2 hours at Plymouth to —3·1 hours at Cahirciveen (Valencia Observatory). At Oxford a lunar halo was observed on the 11th and solar halos were seen on the 13th and 17th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	11	8	3·4	9	5	2·2	5	8	3·4	0	—	—	7	10	4·5	—	—	—	10	7	3·0	9	10	4·5
North	8	7	3·3	6	6	2·7	20	13	5·7	23	7	3·3	19	14	6·2	—	—	—	12	11	4·8	18	13	5·8
West	13	13	5·8	20	11	4·7	8	5	2·3	10	4	1·8	20	8	3·5	—	—	—	14	13	5·8	19	6	2·7
East	6	4	1·6	1	4	1·6	14	9	3·8	9	5	2·2	4	3	1·2	—	—	—	9	4	2·0	8	2	0·9
Calm (or wind-speed < 4 m.p.h.)	3	—	—	7	—	—	3	—	—	4	—	—	2	—	—	—	—	—	4	—	—	1	—	—
No record ..	4	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate
Rainfall ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Moderate
Sunshine ..	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	—	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 3 weeks from May 28th, 1922. Warmth ..	1, 1, 1	1, 1, 1	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 1, 1	2, 0, 1	2, 1, 0	1, 1, 1	1, 2, 0	2, 1, 0
Rainfall ..	0, 2, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 2, 1	0, 1, 2	0, 0, 3	0, 1, 2	0, 1, 2	0, 2, 1
Sunshine ..	0, 1. 2	1, 2, 0	2, 1, 0	2, 1, 0	3, 0, 0	2, 1, 0	—	3, 0, 0	3, 0, 0	1, 1, 1	1, 2, 0	1, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.			11, 12,																				
t Lerwick	54	53	15, 16	42	14th	52·4	44·1	48·0	- 0·6	5	0·47	12	+ 2										
p Deerness, Orkney	165	56	12th	42	17th	54·0	45·0	49·2	- 0·6	5	0·44	11	0	Deerness	5·8	0·0	32	—	—	—	—	—	—
a Islands — *t* Stornoway	51	57	15th	41	11th	53·4	45·3	49·1	2·4	—	—	—	—	Stornoway	—	—	—	—	—	—	—	—	—
t Castlebay, Barra I.	37	55	12, 15	44	17th	52·7	47·6	50·0	—	3	0·43	11	—	Castlebay	4·2	—	24	—	—	—	—	—	—
t Wick	81	64	12th	40	14th	54·1	44·1	48·8	- 2·0	5	0·42	11	0										
a Strathpeffer	125	65	12th	38	13th	59·4	44·6	51·5	- 2·3	5	0 24	6	- 5										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	63	12th	38	11th	59·6	43·9	51·2	- 2·0	4	0·48	12	0										
p Fort William	171	61	15th	41	11th	57·4	46·0	51·3	- 3·3	5	0·55	14	- 6										
1. SCOTLAND, E.																							
t Nairn	82	70	12th	42	14th	60·3	45·0	52·1	- 1·0	4	0·35	9	- 2	Nairn	6·0	—	34	—	—	—	—	—	—
p Gordon Castle	101	73	12th	41	14th	61·9	44·4	52·5	- 0·9	3	0·63	16	+ 4	Gordon Castle	4·6	—	26	—	—	—	—	—	—
t Aberdeen	46	75	12th	40	14th	59·3	45·0	51·7	- 0·8	3	0·74	19	+ 9	Aberdeen	7·5	+1·0	42	2	30	—	—	51·2	+1·0
a Balmoral	930	65	12th	36	14th	58·3	38·9	47·9	- 3·6	5	0.41	10	- 2	Balmoral	—	—	—	2	28	—	—	—	—
p Crieff	432	65	12th	36	14th	60·4	42·7	50·9	- 3·9	2	0·23	6	- 6	Crathes	5·5	- 0·6	31	1	28	53·8	—	49·3	—
a Dundee	244	68	12th	35	14th	62·1	41·4	51·0	- 3·3	2	0·42	11	0	Dundee	4·0	—	23	3	28	56·6	—	—	—
														Inchkeith (F. of Forth)	4·3	—	25	0	36	—	—	—	—
t Inchkeith (F. of Forth)	190	63	12th	41	17th	56·7	45·9	50·9	—	3	0·47	12	—										
p Edinburgh	441	67	12th	41	11, 14, 17	59·7	44·9	51·8	- 1·2	3	0·46	12	0	Edinburgh	4·4	- 2·0	25	0	35	—	—	—	—
a West Linton	769	65	12–15	30	14th	61·9	38·1	49·2	- 2·1	4	0·38	10	—	West Linton	—	—	—	2	27	—	—	—	—
a Marchmont	498	71	12th	39	14th	61·3	43·3	51·7	- 1·1	3	0·71	18	+ 4	Marchmont	6·0	- 0·5	34	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	61	12, 15	38	11, 14	58·9	44·4	51·2	—	6	0·75	19	—	Ford (Argyll)	—	—	—	0	36	55·6	—	52·3	—
t Renfrew	49	68	12th	37	14th	59·6	44·4	51·5	—	2	0·28	7	—	Renfrew	2·7	—	16	2	29	—	—	—	—
p Rothesay	200	65	12th	42	11, 14, 17	58.0	44·6	50·8	- 4·0	6	0·65	16	- 2	Rothesay	4·8	—	28	0	36	56·7	—	53·0	+0·7
a Kilmarnock	90	72	12th	37	14th	62·0	44·7	52·8	- 1·3	2	0.49	13	- 1	Kilmarnock	3·7	—	21	—	—	56·4	—	51·8	—
a Colmonell	170	67	12th	40	14th	60·1	45·1	52·1	- 1·4	4	0·69	18	+ 3	Colmonell	—	—	—	0	35	—	—	—	—
p Dumfries	160	67	12th	39	14th	60·9	42·6	51·1	- 4·7	3	0·42	11	- 3	Dumfries	4·3	—	25	2	29	56·7	- 1·7	53·0	- 1·5
t Eskdalemuir	794	63	12th	34	14th	57·9	38·7	47·6	—	3	0·20	5	—	Eskdalemuir	4·3	—	25	2	27	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	12th	43	11th	59·0	46·0	52·1	- 2·2	1	0·30	8	- 6	Douglas	8·6	+0·8	50	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	74	12th	40	14th	63·1	45·1	53·5	+0·3	2	0·61	16	+ 5	Cockle Park	5 6	- 0·5	33	1	28	56·0	+0·1	53·1	+0·9
t Tynemouth	118	66	16th	42	14th	58·7	46·1	52·0	- 1·0	4	0·46	12	+ 2	Tynemouth	—	—	—	0	38	—	—	—	—
p Durham	336	72	12th	39	14th	63·0	43 0	52·3	- 1·7	3	0·56	14	+ 4	Durham	5·2	- 0·7	30	1	30	—	—	—	—
a North — *p* Rounton	249	—	—	—	—	—	—	—	—	3	0·54	14	+ 2	Rounton	—	—	—	0	31	58·0	—	—	—
a West Witton	605	73	12th	41	14th	62·6	44·0	52·7	—	3	0 55	14	—	West Witton	—	—	—	0	38	57·9	—	51·8	—
h Scarborough	118	69	16th	46	15th	61·3	49·1	54·8	+0·5	2	0·39	10	0	Scarborough †	7·4	+1·4	43	—	—	—	—	57·7	—
p York	56	76	12th	40	14th	66·3	45·1	55·0	- 1·2	3	0·37	9	- 2	York	7·7	+1·6	45	—	—	56 7	- 0·2	53 0	+0·1
t Spurn Head	26	66	12th	46	16th	61·4	49·9	55·3	+0·7	1	0·06	2	- 6	Spurn Head	7·8	—	46	—	—	—	—	—	—
b, South — *a* Lincoln	58	72	12th	42	16th	65·9	47·1	55·9	- 1·0	1	0·40	10	- 1	Lincoln	—	—	—	0	39	59·8	+0·9	55·5	+1·7
t Cranwell	237	77	12th	39	16th	65·7	44·1	54·2	- 2·1	1	0·28	7	- 3	Cranwell	9·6	+2·9	57	0	34	—	—	—	—
														Skegness	7·7	+0·5	46	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	64	12, 16	48	12–16	60·4	49·0	54·3	0·0	1	0·14	3	- 8	Cromer	6·5	+0·1	38	—	—	—	—	—	—
a Little Massingham	277	72	12th	42	16th	61·4	47·7	54·1	- 0·8	2	0·56	14	0	Lit Massingham	7·1	+0 8	42	—	—	—	—	—	—
t Yarmouth	13	65	11th	49	16th	60·1	50·7	55·1	+0·3	2	0·63	16	+ 5	Yarmouth	6·6	—	40	0	43	61·9	+1·0	58·0	+1·7
a Norwich	93	72	12th	42	16th	63 7	49·1	55·9	+0·2	2	0·58	15	+ 3	Norwich	7·0	—	42	0	37	62·1	—	—	—
a Geldeston	37	72	13th	45	16th	63·1	48·6	55·4	+0 2	2	0·62	16	+ 5	Geldeston	7·2	+0·4	43	—	—	—	—	—	—
p Cambridge	41	75	12th	45	16th	65·1	47·9	55·9	- 0·5	3	0·42	11	- 2	Cambridge	7·2	+0·6	43	0	35	60·8	+0·5	57·5	+1·7
t Clacton-on-Sea	54	68	12th	46	16th	61·1	50·9	55·6	+0·2	3	0·22	6	- 4	Clacton-on-Sea	6·8	- 0·4	41	0	44	59 6	+0 5	57·7	+1 7
a Rothamsted	420	74	12th	42	16th	63·1	46 0	54·0	- 1·3	2	0·31	8	- 5	Rothamsted	7·3	+0·8	44	0	37	59·3	—	—	—
p Tottenham	51	75	12th	46	16th	67·0	50·3	58·1	—	3	0·45	11	—	Tottenham	7·4	—	45	—	—	—	—	—	—
														Southend	7·2	—	44	0	44	61·3	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	74	12th	41	14, 17	63·0	44·0	52·8	- 1·1	2	0·39	10	- 1	Harrogate	9·1	+2·4	53	0	35	56 6	+1·7	54 4	+1·7
a, North — *p* Sheffield	429	76	12th	43	14, 16	65·0	45·3	54·5	—	2	0·32	8	—	Sheffield	9·8	+3·9	58	0	37	56·9	+0·6	53·5	+2·4
p Buxton	987	73	12th	38	16th	62·1	42·1	51·4	- 1·3	2	0·17	4	- 11	Buxton	9·5	—	56	0	32	61·7	+5·2	53·7	+3·1
a Worksop	56	77	12th	40	16th	67·1	44·1	54·8	- 0·8	2	0·43	11	+ 2	Worksop	9.0	+3·3	53	0	34	59·5	—	55·9	—
t Nottingham	82	77	12th	40	16th	66 1	46 1	55·4	- 0·7	1	0·24	6	- 3	Nottingham	9·7	+3·5	57	0	34	61·4	+2 6	57 6	+3 4
b, East — *p* Birmingham, Edgbsn.	525	77	12th	42	14th	66·3	45·1	55.0	- 0·9	2	0·16	4	- 7	Birmingham	9·1	+3·9	54	0	33	56·5	+2·8	51·9	+2·0
a Raunds	213	76	12th	37	16th	65·3	46·0	55·0	- 1·4	2	0·37	9	0	Raunds	7·9	—	48	0	32	63·0	—	—	—
p Oxford	208	78	12th	40	16th	66·0	45·9	55·3	- 1·6	2	0·40	10	- 1	Oxford	7·5	+0 8	45	0	33	—	—	—	—
														Malvern	9·7	—	59	0	37	62·0	—	58·5	—
a Cheadle (N. Staffs.)	646	77	12th	39	14th	65·0	43·9	53·7	- 0·8	2	0·12	3	- 9	Cheadle	—	—	—	0	31	—	—	—	—
s, West — *p* Tenbury	313	77	12th	36	16th	68·3	42·6	54·6	- 0·9	2	0·19	5	- 5	Tenbury	—	—	—	0	32	60·1	—	—	—
a Hereford	291	77	12th	39	16th	67·3	45·6	55·7	- 0·6	2	0·23	6	- 4	Ross on Wye	10·6	—	64	0	37	65·4	—	60 0	—
a Clifton	225	72	12th	46	14th	66·4	50·1	57·7	- 0·3	2	0·20	5	- 7	Clifton	10·6	—	64	0	40	—	—	—	—
5. ENGLAND, S.E.																							
														Worthing	7.6	0·0	46	0	45	60·7	- 0·7	57·2	+0 9
a Marlborough	424	76	12th	38	16th	65·7	42 7	53·4	- 1·7	3	0·43	11	- 2	Marlborough	7·6	+1·6	46	0	32	60·4	—	55·6	—
a Porton	340	77	12th	38	12th	64·9	43·9	53·7	—	2	0·29	7	—	Porton	—	—	—	0	31	61·4	—	—	—
a Wisley, Surrey	150	78	12th	43	16th	67.0	47·3	56·5	0·0	2	0·27	7	- 3	Wisley, Surrey	7·6	+0·8	46	0	35	61·2	+1·7	57·6	+2·4
h Tunbridge Wells	354	77	12th	44	12th	66 0	48·0	56 4	+0·1	2	0·40	10	- 1	Tunbridge Wells	7·4	+0·6	45	0	34	59·3	—	56·1	—
h Margate	51	70	13th	50	12th	62·0	52·6	57·0	+0·4	2	0·67	17	+ 7	Margate	6·5	0·0	39	0	45	65·4	+5·1	61·9	+5·3
t Dungeness	21	72	11th	50	12th	62·7	51·7	56·8	+0 9	3	0·55	14	+ 5	Folkesto	6·7	—	41	0	45	—	—	57·4	—
h St. Leonards	178	71	11th	48	14th	64·4	51.3	57·4	+1·0	3	0·41	11	+ 1	St. Leonards	7·4	- 0·1	45	0	44	62·4	—	57·6	—
p Southampton	64	75	12th	44	14, 15	66·7	48·7	57·1	- 1·1	2	0·51	13	+ 2	Southampton	8·3	+1·3	51	0	41	—	—	—	—
a Ventnor	59	69	12, 13	44	14th	64·1	50·3	56·7	- 0·4	3	0·51	13	+ 3	Ventnor	8·0	+0·9	49	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	75	12th	45	16th	64·9	49·5	56·7	- 0·9	2	0·22	6	- 6	Richmond	6·9	+0·4	42	0	39	60·4	+1·1	56·7	+2 1
a Westminster	27	78	12th	48	14–16	68·6	51·0	59·2	+1·1	2	0·33	8	- 2	Westminster	7·3	+1·5	44	0	45	—	—	—	—
ae Greenwich	149	79	12th	46	16th	68·1	48·9	57·8	- 0·3	2	0·57	14	+ 3	Greenwich	7·5	+0·9	46	0	33	—	—	—	—
a Hampstead	450	77	12th	45	14–16	65·0	47.7	55·8	—	2	0·25	6	—	Hampstead	7·6	—	46	0	38	—	—	—	—
a Camden Square	110	79	12th	46	16th	68·0	50·0	58·4	- 0·9	2	0·27	7	- 4	Camden Square	—	—	—	0	44	63·6	—	57·6	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	69	12th	38	14th	60·1	42·0	50·4	- 4·5	4	0.63	16	+ 3	Aspatria	5·7	- 1·8	33	0	35	56·3	- 0·4	52·2	+0·5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	69	12th	41	14th	63·1	45·6	53.7	- 1·5	2	0·20	5	- 11	Stonyhurst	7·9	+1·1	46	0	33	—	—	—	—
h Blackpool	66	66	12th	38	14th	59 4	46·1	52 3	- 3·1	2	0·33	8	- 3	Blackpool	7·9	- 0·2	46	1	29	58·4	—	53·1	—
h Southport	37	65	12th	39	14th	58 7	46·4	52·1	- 3·7	2	0·33	9	- 2	Southport	8·3	+0·4	49	1	28	61·9	+1·2	58·7	+1·9
														Hoylake	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston)	188	68	12th	45	14th	60·3	48·4	53·9	- 2·5	2	0·20	5	- 6	Liverpool	8·8	—	52	0	39	—	—	—	—
a Hawarden Bridge	22	73	12th	45	14th	62·6	48·4	55·0	- 2·0	2	0.41	10	0	Manchester City	8·0	+1·7	47	0	39	60·6	+2·3	57·1	+2·2
p Manchester (Whit. Pk.)	125	75	12th	44	14, 16	65·9	46·7	55·6	- 1·7	3	0.20	5	- 9	„ Whit. Pk.	7·6	+1·7	45	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	68	12th	43	11, 16	60·4	44·6	52·0	- 4·4	4	0·40	10	- 1	Llandudno	8.7	+0·8	51	—	—	—	—	—	—
t Holyhead	15	61	12th	48	16th	58 1	49·3	53·4	- 1·5	2	0·48	12	+ 1	Holyhead	9·8	—	58	0	45	—	—	—	—
a Aberdovey	60	67	15th	46	14th	62·6	49·6	55·7	—	3	0·34	9	—	Aberdovey	10·4	+3·2	62	0	39	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	66	15th	44	14th	60·9	48·0	54·0	—	2	0·27	7	—	Aberystwyth	10·2	+3·4	61	—	—	—	—	—	—
a Rhayader	757	70	12th	36	12th	63·3	42·0	51·9	—	2	0·21	5	—	Rhayader ..	11·3	—	68	3	26	—	—	—	—
t Pembroke	149	62	12th	47	14th	58·9	49·7	54·0	- 0·8	2	0·16	4	- 7	Pembroke ..	10·5	+2·8	64	—	—	—	—	—	—
p Cardiff	202	70	12, 16	45	12, 16	66·1	47·4	56·1	- 0·6	1	0·06	2	- 13	Cardiff ..	12·3	—	74	0	37	62·4	+2·3	56·9	+1·8
b, ENGLAND, S.W.																							
h Bath	66	75	12th	43	16th	68·4	47·9	57·4	+0·3	2	0·18	5	- 8	Bath	8·4	+1·3	51	—	—	62·5	—	58·3	—
a Shaftesbury	722	73	12th	40	15th	64·9	45·7	54·6	- 1·0	2	0·15	4	- 9	Shaftesbury ..	—	—	—	—	—	61·2	—	56·9	—
a Arlington	613	68	12th	41	15th	63·6	46·5	54·5	- 0·5	1	0·18	5	- 14										
h Newquay	190	63	12th	45	12th	58·5	49·9	53·9	- 2·0	2	0·13	3	- 9	Newquay ..	9·8	+2·1	60	—	—	60·3	—	56·1	—
a Cullompton	202	76	12th	40	12th	69·9	46·1	57·2	+0·3	2	0·06	1	- 11	Cullompton ..	10·6	+3·7	64	0	34	64·9	—	—	—
t Portland Bill	19	63	16th	49	15th	61·1	51·4	55·9	- 0·1	1	0·08	2	- 6	Weymouth ..	9·2	—	56	—	—	—	—	—	—
p Plymouth	116	71	11, 12	46	15, 16	65·6	49·4	56·9	- 0·4	1	0·03	1	- 11	Plymouth ..	11·7	+4·2	71	0	40	63·6	+2·7	57·9	—
h Falmouth	167	69	11th	46	15th	63·3	49·9	56·1	- 0·3	3	0·09	2	- 11	Falmouth ..	10·7	+2·9	66	0	40	63·2	—	60·2	—
9. IRELAND, N.																							
t Malin Head	71	65	12th	43	11th	56·1	48·0	51·8	- 1·7	6	0·46	12	0	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	64	11th	37	11th	59·0	45·0	51·5	- 3·5	6	0·54	14	- 1										
a Mallarany	120	62	11th	41	11th	58·6	47·6	52·7	—	4	0·79	20	—	Mallarany ..	4·0	—	23	1	29	—	—	—	—
p Markree Castle.. ..	122	68	11th	35	11th	60·6	45·6	52·6	- 1·7	4	0·77	20	+ 4	Markree Castle	4·2	+1·7	24	1	29	58·6	+0·1	53·9	+0·7
p Armagh..	204	67	11, 12	39	11, 14	62·8	46·1	53·6	- 1·4	3	0·44	11	- 3	Armagh ..	5·9	- 0·1	35	2	28	57·8	+0·3	53·9	+0·4
b, East .. *t* Donaghadee	35	68	12th	41	11th	58·9	46·6	52·3	- 1·9	2	0·51	13	0										
														Trinity Coll.	—	—	—	0	36	59·6	+1·2	55·3	+0·8
														Phœnix Park	7·8	+1·2	46	0	32	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	71	12th	44	14th	63·1	49·9	56·0	- 1·1	2	0·20	5	- 4	Dublin City ..	—	—	—	0	39	—	—	—	—
t Birr Castle	175	68	11th	38	11th	62·6	46·9	53·9	- 1·5	3	0·25	6	- 5	Birr Castle ..	5·5	- 0·2	33	1	30	—	—	—	—
a Kilkenny	195	69	11, 12	40	11, 14	64·1	47·4	55·2	- 0·7	3	0·19	5	- 6										
a Waterford	137	69	17th	43	11, 14	63·6	48·6	55·6	- 1·1	4	0·25	6	- 6										
p Seskin, Carrick-on-Suir	542	67	12th	41	14th	63·9	46·9	54·8	—	2	0·20	5	—	Seskin ..	7·6	—	45	0	34	—	—	—	—
a Foynes	50	72	11th	45	14th	64·1	49·3	56·2	- 0·1	3	0·23	6	- 6										
t Cahirciveen (Val. Obs.)	30	61	11, 12, 16	42	11th	58·4	50·4	54·1	- 1·8	3	0·26	7	- 8	Cahirciveen ..	3·4	- 3·1	21	0	—	—	—	—	—
a Killarney	174	69	11th	41	11th	64·2	48·9	56·0	- 0·3	5	0·42	11	+ 2	Ballinacurra	6·0	- 0·6	36	—	—	—	—	—	—
t Roche's Point	32	63	11th	44	14th	61·0	49·7	55·0	- 1·1	3	0·24	6	- 6										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	12th	48	15th	62·1	51·4	56·4	+0·1	3	0·28	7	- 1	Scilly ..	10·1	+2·0	62	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	67	11th	45	14th	61·4	51·3	56·0	- 1·5	1	0·17	4	- 4	Guernsey ..	7·5	- 0·9	46	0	43	63·2	+2·3	60·1	+2·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 17th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.	Highest Gust. Speed.		Time.		
													m.p.h	m/s.		m.p.h	m/s.	d.	h.	m
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°			d. br.					
**Deerness (Cup Anr.) ..	188	16	5	—	0	10, 11, 13, 16	17	42	74	12	23	310	26	12	13 3	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	0	87	81	0	340	12	5	13 14	33	15	13	17	45
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	36	109	23	0	330	21	9	13 3	—	—	—	—	—
Edinburgh	485	39	31	—	0	17	5	53	59	51	0	290	26	12	17 14	36	16	17	14	0
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	17	5	30	68	61	4	280	26	11	17 20	40	18	17	14	20
Paisley	188	81	15	—	0	—	0	41	93	34	0	300	20	9	17 13	43	19	17	12	55
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	—	0	15	112	30	11	360	18	8	13 9	36	16	13	8	35
South Shields	72	61	12	—	0	13	1	52	77	15	23	10	25	11	13 12	37	17	13	10	30
Spurn Head	67	41	‡	—	0	13, 14, 17	26	51	72	19	0	340	36	16	13 17	45	20	13	16	55
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	13, 14	20	67	65	16	0	20	33	15	14 4	44	20	14	2	35
Shoeburyness	103	90	‡	—	0	—	0	52	70	13	33	360	23	10	14 7	39	17	14	7	35
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	37	88	43	0	20	20	9	14 9	36	16	14	9	10
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	56	82	30	0	—	22	10	14 8	37	17	14	11	40
Larkhill, S'y Plain ..	513	63	43	—	0	13, 14	14	64	84	3	3	350	29	13	14 6	36	16	14	6	35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	25	108	35	0	20	17	8	14 5	34	15	14	8	35
Petersfield	811	42	‡	—	0	—	0	30	106	32	0	10	21	9	14 12	34	15	14	10	30
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	17	1	13, 16, 17	37	32	93	5	0	310	40	18	17 19	—	—	—	—	—
Southport	80	62	48	—	0	13, 16, 17	34	41	90	3	0	320	34	15	13 8	43	19	13	10	10
Holyhead	60	40	‡	—	0	13, 14, 17	27	65	53	23	0	340	36	16	13 13	47	21	13	12	50
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	13	1	13, 17	12	46	72	37	0	360	39	17	13 16	54	24	13	16	10
Plymouth	185	88	2	—	0	13	7	53	79	29	0	—	29	13	13 17	51	23	13	16	25
Lyme Regis	556	61	‡				Defective	Records												
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	13, 17	11	77	61	19	0	290	28	13	17 19	—	—	—	—	—
Quilty	100	40	‡‡‡	—	0	13	1	85	67	15	0	—	24	11	13 16	31	14	17	5	15
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	98	65	5	0	340	23	10	17 11	36	16	13	6	10
Weaver Pt.	160	30	‡‡‡	—	0	13, 17	12	64	87	5	0	—	28	13	17 14	43	19	17	17	15
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—				Out of Action.													

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
TWENTY-FOURTH WEEK of 1922—June 11th to June 17th, 1922.																			
0. SCOTLAND, NORTH ..	65	38	56·1	44·7	50·0	− 1·9	56	− 16	0	− 1	5	+ 1	0·46	12	− 4	4·8	− 0·9	27	1016
Eastern.																			
1. SCOTLAND, EAST ..	75	30	60·0	42·9	50·9	− 2·3	62	− 18	0	0	3	0	0·49	12	− 1	5·6	− 0·7	32	1017
2. ENGLAND, N.E. ..	77	39	63·2	46·2	54·1	− 0·3	85	− 1	0	0	2	− 1	0·41	10	0	7·2	+0·8	42	1018
3. ENGLAND, EAST ..	75	41	62·8	48·9	55·4	− 0·3	94	− 2	0	0	2	− 1	0·44	11	− 1	7·0	+0·3	42	1017
4. MIDLAND COUNTIES	78	36	66·1	45·3	55·0	− 0·8	91	− 6	0	0	2	− 1	0·27	7	− 3	9·4	+3·0	56	1019
5. ENGLAND, S.E. ..	78	38	64·8	48·6	56·2	− 0·5	99	− 4	0	0	2	− 1	0·43	11	+ 1	7·4	+0·3	45	1017
Western.																			
6. SCOTLAND, WEST ..	72	37	59·8	44·5	51·7	− 2·9	68	− 21	0	0	3	0	0·51	13	− 4	—	—	—	1019
7. ENGLAND, N.W. ..	75	38	61·2	46·4	53·3	− 2.2	79	− 15	0	0	3	0	0·36	9	− 3	8·1	+1·0	48	1020
8. ENGLAND, S.W. ..	76	36	64·5	47·6	55·5	− 0·6	95	− 4	0	0	2	− 1	0·12	3	− 11	10·4	+3·2	63	1020
9. IRELAND, NORTH ..	68	35	59·9	46·4	52·7	− 1·9	75	− 14	0	0	4	0	0·50	13	− 2	5·1	− 0·9	30	1020
10. IRELAND, SOUTH ..	72	38	62·6	48 9	55·3	− 0·9	93	− 7	0	0	3	0	0·26	7	− 5	5·7	− 0 6	34	1022
11. ENGLISH CHANNEL..	67	45	61·6	51·3	56·1	− 1·0	99	− 7	0	0	2	− 1	0·21	5	− 3	8·4	+0·1	51	1020
MEAN: DISTRICTS 1-10	78	30	62·5	46·6	54.0	− 1·3	84	− 9	0	0	3	− 1	0·38	10	− 3	7·3	+0·7	44	1019
THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, May 28th to June 17th, 1922.																			
0. SCOTLAND, NORTH ..	76	38	57·9	45·5	51·3	+0·1	195	− 4	0	− 2	11	0	1·06	27	− 16	4·3	− 1·3	24	1017
Eastern.																			
1. SCOTLAND, EAST ..	80	30	63·0	44·6	53·2	+0·8	236	+14	0	− 1	6	− 3	0·60	15	− 20	7·0	+ 0·7	40	1018
2. ENGLAND, N.E. ..	84	38	67·8	47·7	57·1	+3·4	317	+71	0	0	3	− 6	0·53	13	− 19	9·4	+ 3·2	56	1019
3. ENGLAND, EAST ..	83	39	67·8	49·7	58·2	+2·6	340	+55	0	0	4	− 5	0·49	13	− 22	9·7	+ 2·8	58	1019
4. MIDLAND COUNTIES	85	34	71·3	47·2	58·5	+3·0	346	+62	0	0	3	− 6	0·30	8	− 28	9·9	+ 3·6	60	1019
5. ENGLAND, S.E. ..	85	33	69·6	50·0	59·1	+2·6	359	+55	0	0	4	− 5	0·58	15	− 19	9·7	+ 2·5	60	1019
Western.																			
6. SCOTLAND, WEST ..	82	35	64·1	46·2	54·6	+0·7	264	+11	0	0	7	− 3	0·91	23	− 23	—	—	—	1019
7. ENGLAND, N.W. ..	86	37	66·0	48·5	56·7	+1·9	308	+40	0	0	4	− 5	0·40	10	− 26	9·7	+ 2·8	58	1020
8. ENGLAND, S.W. ..	85	33	68.2	49·3	58·1	+2·4	340	+52	0	0	5	− 4	0·27	7	− 32	10·3	+ 3·4	63	1020
9. IRELAND, NORTH ..	78	35	63·7	46·9	54·7	+0·8	268	+17	0	0	9	− 2	0·65	17	− 26	6·4	+ 0·4	38	1019
10. IRELAND, SOUTH ..	82	35	66·0	49·0	56·9	+1·4	314	+30	0	0	5	− 4	0·51	13	− 28	7·6	+ 1·2	46	1021
11. ENGLISH CHANNEL..	80	45	64·7	52·4	58·1	+1·5	339	+33	0	0	4	− 5	0·79	20	− 13	9·8	+ 1·9	61	1019
MEAN: DISTRICTS 1-10..	86	30	66·7	47·9	56·7	+2·0	309	+41	0	0	5	− 4	0·52	13	− 24	8·9	+ 2·3	53	1019
THE YEAR. Aggregates, &c., for the Period of 24 Weeks, January 1st to June 17th, 1922.																			
0. SCOTLAND, NORTH ..	76	18	47·2	36·7	41·8	− 0·4	449	−132	489	− 50	111	0	20·95	533	− 25	3·3	− 0·1	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	47·8	35.5	41·5	− 0·8	538	−131	627	+10	97	+ 3	12·30	314	− 1	3·8	− 0·1	31	1009
2. ENGLAND, N.E. ..	84	12	50·2	37·4	43·6	+0·1	778	+37	509	+37	85	− 1	9·93	253	+10	4·5	+ 0·4	36	1012
3. ENGLAND, EAST ..	89	16	51·7	38·4	44·8	+0·5	907	+16	431	− 63	83	− 1	10·89	277	+36	5·0	+ 0·6	40	1013
4. MIDLAND COUNTIES	86	11	52·0	37·2	44·3	+0·1	887	− 29	496	− 26	88	+ 5	12·54	318	+46	4·3	+ 0·4	35	1012
5. ENGLAND, S.E. ..	88	17	52·8	39·6	46·0	+0·6	987	+12	318	− 61	86	+ 4	12·65	322	+49	5·0	+ 0·5	41	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	49·9	37·2	43·3	− 0·7	671	− 96	448	+32	95	− 5	20·86	530	+44	—	—	—	1011
7. ENGLAND, N.W. ..	86	20	50·3	38·9	44·4	− 0·1	764	− 46	360	− 22	86	− 3	13·01	332	− 9	4·6	+ 0·5	37	1011
8. ENGLAND, S.W. ..	85	13	52·4	39·9	45·9	+0·1	930	− 16	268	− 33	93	+ 4	16·44	422	+30	5·0	+ 0·6	40	1013
9. IRELAND, NORTH ..	78	22	51·1	39·4	45·0	+0·1	792	− 35	279	− 61	109	+ 1	16.53	421	+28	4·2	+ 0·4	34	1010
10. IRELAND, SOUTH ..	82	23	52·8	40·8	46·6	+0·2	977	− 32	203	− 57	101	+ 5	15·92	404	− 18	4·5	+ 0·3	36	1012
11. ENGLISH CHANNEL..	81	28	53·6	44·4	48·8	+0·7	1201	− 69	50	− 55	98	+ 3	15·75	400	+74	5·1	0·0	41	1013
MEAN: DISTRICTS 1-10 ..	89	8	51·1	38·4	44·5	0·0	823	− 32	394	− 24	92	+ 1	14·11	359	+21	4·5	+ 0·4	37	1012
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

Meteorological Office, London: G. C. Simpson, F.R.S., Director. F. J. W. Whipple, M.A., Supt. Climatology Divn.
23rd June, 1922.

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METEOROLOGICAL OFFICE
97
3 JUL 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 25.

TWENTY-FIFTH WEEK.
SUNDAY, JUNE 18TH, TO SATURDAY, JUNE 24TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was generally cloudy and unsettled. Rain fell in most places, and hail was reported at a few of the Scottish stations and also at Yarmouth. Thunder was heard at several stations towards the end of the week. Many places recorded fairly good records of sunshine about the middle of the week, but with the exception of a few stations in the south-eastern parts of England the mean amount was below the normal in all parts of the Kingdom. In the north-west of England and North Wales, the mean amount for the week at several places was less than half the normal, Aberdovey having only 24 per cent. The departure of the mean duration from the normal for the week ranged from +1·1 hours in London (Westminster) to —4·4 hours at Aberdovey. Mean temperature for the week was generally below the normal but at stations on the East Coast it was slightly in excess. In some parts of Scotland and Ireland the highest temperatures of the week failed to reach 60°F., but in many other parts of the country maximum readings of 75°F. were recorded, usually on the 19th. Screen minimum temperatures below 40°F. were registered at a few stations, the actual lowest being 35°F. at Eskdalemuir and 36°F. at West Linton (Peebles), while at some stations frost on the grass was recorded. Amongst the largest amounts of rainfall recorded during the week were 23mm. at Colmonell (Ayr), 17mm. at Rothesay (Bute), 13mm. at Kilmarnock on the 18th, 19mm. at Lancaster, 17mm. at Eskdalemuir, 16mm. at West Linton, 13mm. at Newton Rigg (Cumberland) on the 22nd, 14mm. at Clifton (Gloucester) on the 23rd and 24mm. at Huddersfield, 21mm. at Manchester, 18mm. at Burnley, 17mm. at Stonyhurst, 14mm. at Markree Castle (Sligo), 13mm. at Hoylake on the 24th while Ford (Argyll) measured 25mm. on the 18th and 16mm. on the 22nd. Aurora was seen at Yarmouth on the 21st. Solar halos were observed at Hampstead and Richmond (Kew Observatory) on the 21st, at Oxford on the 21st and 22nd, and at Aberdeen and Fort Augustus on the 22nd and 24th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	16	6	2·8	24	7	3·3	13	6	2·8	10	6	2·8	21	10	4·4	5	4	1·8	25	8	3·7	17	7	3·1
North	4	11	5·1	1	4	1·8	11	4	1·8	8	3	1·5	2	8	3·7	18	7	3·1	0	—	—	7	4	1·8
West	18	14	6·4	22	12	5·4	21	8	3·4	25	7	3·1	28	11	5·1	26	16	7·2	28	16	7·1	28	13	6 0
East	7	10	4·5	3	3	1·2	4	7	3·0	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	2	—	—	3	—	—	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ..	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate
	Rainfall ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ..	Moderate	Scanty	Scanty	Scanty	Very Scanty	Moderate	—	Very Scanty	Very Scanty	Scanty	Very Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 4 weeks from May 28th, 1922.	Warmth ..	1, 1, 2	1, 1, 2	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	1, 1, 2	2, 0, 2	2, 1, 1	1, 1, 2	1, 2, 1	2, 2, 0
	Rainfall ..	0, 3, 1	0, 2, 2	0, 2, 2	0, 2, 2	0, 2, 2	0, 2, 2	1, 2, 1	1, 1, 2	0, 1, 3	1, 1, 2	0, 2, 2	0, 3, 1
	Sunshine ..	0, 2, 2	1, 2, 1	2, 1, 1	2, 1, 1	3, 0, 1	2, 2, 0	—	3, 0, 1	3, 0, 1	1, 1, 2	1, 2, 1	1, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	64	20, 22	42	22nd	52·7	44·0	48·1	- 1·9	4	0·54	14	+ 1										
p Deerness, Orkney	165	58	20, 21	42	22nd	54·9	44·9	49·6	- 1·5	7	0·39	10	- 4	Deerness	5·1	+0·1	28	—	—	—	—	—	—
a Islands *t* Stornoway	51	55	18, 23, 24	37	22nd	54·0	44·9	49·1	- 3·6	—	—	—	—	Stornoway	3·8	- 1·6	21	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	47	18, 20, 21	—	48·1	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	64	20th	39	22nd	55·4	45·1	49·9	- 2·2	7	0·57	15	+ 1										
a Strathpeffer	125	62	23rd	39	24th	59·4	44·6	51·5	- 3·5	6	0·35	9	- 5										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	60	23rd	43	21st	57·6	45·9	51·3	- 3·1	6	0·48	12	- 3										
p Fort William	171	63	23rd	44	21st	57·3	46·9	51·7	- 3·9	7	1·66	42	+16										
1. SCOTLAND, E.																							
t Nairn	82	66	20th	43	22nd	60·3	46·3	52·8	- 1·5	5	0·57	15	+ 2	Nairn	4·6	—	26	—	—	—	—	—	—
p Gordon Castle	101	69	20th	43	21st	60·6	47·0	53·3	- 1·3	5	0·26	7	- 9	Gordon Castle	4·1	—	23	—	—	—	—	—	—
t Aberdeen	46	67	20th	44	21st	61·3	48·1	54·2	+0·4	4	0·26	7	- 6	Aberdeen	4·9	- 0·6	28	0	35	—	—	51·5	+0·5
a Balmoral	930	63	19th	40	21st	57·7	43·9	50·3	- 2·3	5	0·37	9	- 6	Balmoral	—	—	—	0	33	—	—	—	—
p Crieff	432	64	19th	42	24th	58·9	45·6	51·8	- 4·2	7	0·81	21	+ 2	Crathes	4·2	- 1·2	23	1	30	54·0	—	49·5	—
a Dundee	244	67	19, 20	41	21st	62·1	45·7	53·3	- 2·3	6	0·69	18	+ 4	Dundee	5·1	—	29	0	32	56·0	—	—	—
t Inchkeith (F. of Forth)	190	60	23rd	47	18, 21	56·6	48·9	52·5	—	4	0·80	20	—	Inchkeith (F. of Forth)	4·5	—	26	0	43	—	—	—	—
p Edinburgh	441	63	19th	45	18, 21	58·6	47·7	52·8	- 1·4	5	0·74	19	+ 5	Edinburgh	4·4	- 1·2	25	0	40	—	—	—	—
a West Linton	769	61	20th	36	18th	58·3	42·6	49·9	- 2·6	7	1·21	31	—	West Linton	—	—	—	0	34	—	—	—	—
a Marchmont	498	67	21st	38	21st	60·3	45·7	52·5	- 1·6	6	0·43	11	- 6	Marchmont	4·8	- 0·8	28	—	—	—	—	—	—
6 *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	59	23, 24	42	23rd	55·1	44·3	49·3	—	7	2·38	61	—	Ford (Argyll)	—	—	—	0	41	55·4	—	52·5	—
t Renfrew	49	61	19, 23	45	24th	57·7	48·4	52·7	—	5	0·62	16	—	Renfrew	2·6	—	15	0	35	—	—	—	—
p Rothesay	200	60	19, 23	44	21st	56·4	46·3	51·0	- 4·7	7	1·82	46	+22	Rothesay	3·1	—	18	0	41	55·7	—	53·0	0·0
a Kilmarnock	90	65	23rd	46	18, 24	60·0	48·9	54·1	- 0·9	5	1·28	32	+13	Kilmarnock	3·0	—	17	—	—	55·7	—	52·2	—
a Colmonell	170	60	23, 24	46	21st	58·0	49·0	53·2	- 1·2	6	2·07	53	+34	Colmonell	—	—	—	0	41	—	—	—	—
p Dumfries	160	64	23rd	42	21st	58·9	48·4	53·3	- 3·4	5	0·56	14	- 5	Dumfries	2·8	—	16	0	33	55·2	- 3·5	53·0	- 2·4
t Eskdalemuir	794	62	23rd	35	21st	56·1	44·9	50·1	—	6	1·40	36	—	Eskdalemuir	2·8	—	16	1	30	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	20th	45	21st	58·4	49·6	53·7	- 1·5	6	0·69	17	- 2	Douglas	3·3	- 3·2	19	0	41	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	70	19th	41	22, 24	63·1	47·0	54·5	- 0·4	6	0·24	6	- 10	Cockle Park	3·7	- 1·9	21	1	30	55·7	- 0·6	53·0	+0·1
t Tynemouth	118	68	20th	45	18th	62·7	50·3	56·1	+1·4	4	0·35	9	- 5	Tynemouth	—	—	—	0	41	—	—	—	—
a North *p* Rounton	249	—	—	42	21st	—	48·1	—	—	4	0·63	16	- 1	Rounton	—	—	—	0	31	57·1	—	—	—
a West Witton	605	65	19th	41	21st	60·6	48·9	54·3	—	4	0·42	11	—	West Witton	—	—	—	0	35	56·8	—	52·0	—
h Scarborough	118	68	20th	48	21st	62·4	51·1	56·4	+0·3	4	0·59	15	+ 2	Scarborough †	2·9	- 2·6	17	—	—	—	—	57·7	—
p York	56	65	20, 23	45	21st	62·7	50·0	55·9	- 2·0	3	0·65	17	+ 2	York	3·8	- 1·8	22	—	—	56·8	- 0·8	53·6	- 0·1
t Spurn Head	26	69	20th	45	18th	65·0	51·1	57·6	+1·1	3	0·15	4	- 7	Spurn Head	3·6	—	22	—	—	—	—	—	—
b, South *a* Lincoln	58	69	20th	45	22nd	66·0	51·0	58·0	- 0·5	2	0·18	5	- 9	Lincoln	—	—	—	0	40	58·9	- 0·6	55·7	+1·0
t Cranwell	237	68	19th	43	22nd	65·6	49·4	56·9	- 1·1	2	0·21	5	- 9	Cranwell	4·1	- 2·2	24	0	36	—	—	—	—
														Skegness	5·5	- 1·2	33	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	70	20th	47	23rd	66·3	51·1	58·2	+1·5	3	0·20	5	- 6	Cromer	6·1	- 0·2	36	—	—	—	—	—	—
a Little Massingham	277	70	19th	45	22nd	64·0	50·4	56·7	- 0·5	4	0·44	11	- 2	Lit Massingham	5·2	- 1·0	31	—	—	—	—	—	—
t Yarmouth	13	70	20th	46	18th	65·1	50·9	57·5	+0·3	3	0·50	13	+ 3	Yarmouth	5·5	—	33	0	43	61·1	- 0·6	57·7	+0·4
a Norwich	93	70	19th	46	18, 22	66·3	50·9	58·1	0·0	3	0·35	9	- 2	Norwich	4·9	—	29	0	41	62·1	—	—	—
a Geldeston	37	73	19th	42	18th	66·8	48·6	57·1	- 0·5	3	0·33	8	- 2	Geldeston	4·7	- 2·0	28	—	—	—	—	—	—
p Cambridge	41	77	19th	40	18th	68·7	47·1	57·2	- 1·6	4	0·22	6	- 6	Cambridge	5·4	- 1·1	32	1	30	60·6	- 0·3	57·2	+0·6
t Clacton-on-Sea	54	71	19, 20	44	18th	66·6	51·6	58·6	+0·8	3	0·20	5	- 4	Clacton-on-Sea	5·9	- 1·2	35	0	41	60·0	+0·2	57·2	+0·4
a Rothamsted	420	73	19th	42	22nd	65·4	48·4	56·3	- 1·4	2	0·17	4	- 8	Rothamsted	6·0	- 0·4	36	0	34	59·1	—	—	—
p Tottenham	51	76	19th	50	18, 22	68·4	53·3	60·3	—	2	0·24	6	—	Tottenham	6·6	—	40	—	—	—	—	—	—
														Southend	6·3	—	38	0	44	61·1	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	63	20th	43	21st	60·1	48·4	53·8	- 1·7	4	0·93	24	+ 9	Harrogate	3·8	- 2·2	22	0	35	55·7	+0·2	54·4	+1·0
a, North *p* Sheffield	429	67	20th	46	22nd	61·9	50·3	55·7	—	3	0·31	8	—	Sheffield	3·3	- 2·2	19	0	40	56·6	- 0·4	53·6	+1·6
p Buxton	987	64	20th	43	21st	57·4	47·1	51·9	- 2·4	5	1·22	31	+10	Buxton	1·7	—	10	0	35	57·5	+0·4	54·3	+2·6
a Worksop	56	72	20th	42	21st	65·4	49·4	56·8	- 0·4	2	0·18	5	- 8	Worksop	2·9	- 2·3	17	0	32	58·8	—	55·8	—
t Nottingham	82	69	20th	43	22nd	65·0	50·3	57·1	- 0·6	3	0·15	4	- 9	Nottingham	2·5	- 3·0	15	0	38	60·5	+1·2	57·2	+2·0
b, East *p* Birmingham, Edgbsn.	525	73	19th	46	22nd	63·6	49·7	56·2	- 1·3	3	0·19	5	- 10	Birmingham	2·9	- 1·8	17	0	36	56·8	+2·7	52·1	+1·6
a Raunds	213	76	19th	43	22nd	67·0	48·7	57·2	- 0·9	4	0·31	8	- 4	Raunds	4·8	—	28	0	37	61·3	—	—	—
p Oxford	208	73	19th	46	22nd	65·7	51·0	57·8	- 0·7	2	0·39	10	- 4	Oxford	5·7	- 0·4	34	0	39	—	—	—	—
														Malvern	5·2	—	31	0	43	61·1	—	58·9	—
a Cheadle (N. Staffs.)	646	66	20th	43	21, 22	62·3	47·4	54·3	- 1·8	4	0·45	11	- 6	Cheadle	—	—	—	0	34	—	—	—	—
c, West *p* Tenbury	313	72	19th	41	21st	63·9	48·7	55·8	- 1·3	2	0·48	12	- 1	Tenbury	—	—	—	0	32	59·0	—	—	—
a Hereford	291	75	19th	44	18th	66·1	50·9	58·0	+0·1	2	0·30	7	- 5	Ross on Wye	3·1	—	19	0	37	63·2	—	60·2	—
a Clifton	225	66	20th	49	18th	62·3	51·6	56·6	- 3·0	4	0·84	21	+ 5	Clifton	4·5	—	27	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	69	19th	38	22nd	64·0	47·3	55·1	- 1·5	3	0·46	12	- 1	Worthing	6·9	- 0·5	42	0	40	61·2	- 0·7	57·2	+0·1
a Porton	340	72	19th	37	22nd	66·8	46·0	55·7	—	2	0·22	6	—	Marlborough	4·8	- 1·1	29	0	33	60·7	—	55·9	—
a Wisley, Surrey	150	78	19th	42	22nd	70·0	49·9	59·3	+1·1	2	0·07	2	- 8	Porton	—	—	—	2	25	61·6	—	—	—
h Tunbridge Wells	354	78	19th	43	22nd	67·0	49·6	57·7	- 0·2	3	0·14	4	- 8	Wisley, Surrey	7·0	+0·3	42	0	33	62·1	+1·9	57·2	+1·2
h Margate	51	70	19th	51	18, 24	66·3	53·1	59·2	+0·9	4	0·39	10	0	Tunbridge Wells	7·0	+0·3	42	0	32	59·8	—	56·3	—
														Margate	5·7	- 0·6	35	0	50	63·5	+2·3	61·5	+4·0
t Dungeness	21	65	19, 21	42	18th	63·0	50·9	56·5	- 1·0	4	0·22	6	- 3	Folkestone	6·3	—	38	0	44	—	—	57·6	—
h St. Leonards	178	69	19th	47	18, 22	63·6	51·2	57·0	- 1·0	4	0·22	6	- 4	St. Leonards	6·3	- 1·1	38	0	41	62·2	—	57·9	—
p Southampton	64	75	19th	46	22nd	67·1	51·6	58·8	- 1·0	3	0·31	8	- 3	Southampton	7·0	+0·1	42	0	37	—	—	—	—
a Ventnor	59	68	19th	47	18th	63·7	53·0	58·0	- 0·7	2	0·06	1	- 9	Ventnor	7·0	+0·1	43	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	75	19th	48	22nd	68·5	53·0	60·2	+1·0	2	0·16	4	- 8	Richmond	6·2	- 0·2	37	0	35	60·6	+0·6	56·5	+1·1
a Westminster	27	78	19th	48	22nd	70·0	52·7	60·8	+1·1	2	0·11	3	- 8	Westminster	6·8	+1·1	41	0	41	—	—	—	—
ae Greenwich	149	80	19th	46	22nd	72·1	51·9	61·3	+1·6	2	0·15	4	- 7	Greenwich	6·6	+0·2	40	0	31	—	—	—	—
a Hampstead	450	77	19th	46	22nd	68·0	50·3	58·5	—	2	0·22	6	—	Hampstead	6·9	—	42	0	34	—	—	—	—
a Camden Square	110	78	19th	48	22nd	70·1	52·0	60·4	- 0·5	2	0·24	6	- 5	Camden Square	—	—	—	0	43	63·2	—	57·8	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	23rd	44	21st	56·7	48·0	52·1	- 3·9	6	1.22	31	+12	Aspatria	2·8	- 3·1	17	0	42	54·1	- 3·0	51·9	- 0·5
p Newton Rigg	559	63	23rd	38	18th	58·9	47·0	52·5	- 3·2	6	1.07	27	+11	Newton Rigg	2·6	- 3·4	15	0	33	—	—	—	—
p Stonyhurst	375	62	20th	44	21st	57·9	50·0	53.7	- 2·7	6	1·51	38	+15	Stonyhurst	2·2	- 3·2	13	0	40	—	—	—	—
h Blackpool	66	63	20th	51	18, 21, 23	59 6	52·9	56·0	- 0·6	5	0·75	19	+ 3	Blackpool	2·4	- 4·1	14	0	42	57·5	—	53·6	—
h Southport	37	63	20th	51	18, 21, 23	59 5	53·0	56·0	- 1·0	5	0·92	23	+ 7	Southport	2·2	- 4·1	13	0	45	60·5	- 0·8	58·2	+0·5
														Hoylake	2·6	- 3·2	16	—	—	—	—	—	—
t Liverpool (Bidston)	188	65	20th	48	21st	60·0	50·7	55·0	- 2·6	4	0·73	19	+ 3	Liverpool	2·4	—	14	0	44	—	—	—	—
a Hawarden Bridge	22	66	20th	48	21st	62·4	52·1	56·9	- 1·3	3	0.41	10	- 4	Manchester City	1·5	- 3·4	9	0	47	58·4	- 0·4	57·3	+1·4
p Manchester (Whit. Pk.)	125	67	20th	46	21st	61·1	51·6	56·0	- 2·5	4	1.25	32	+12	„ Whit. Pk.	1·5	- 3·2	9	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	63	20th	46	21, 24	60·9	48·6	54·3	- 3·3	3	0·46	12	- 3	Llandudno	3.0	- 3·3	18	—	—	—	—	—	—
t Holyhead	15	61	20th	49	18, 21	58·4	51·0	54·4	- 1·7	4	0·33	8	- 8	Holyhead	3·9	—	23	0	47	—	—	—	—
a Aberdovey	60	60	19, 20	51	18, 21	58·9	52·7	55·6	—	5	0·58	15	—	Aberdovey	1·4	- 4·4	8	0	42	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	61	19,20	50	18th	59·6	53·1	56·1	—	5	0·41	10	—	Aberystwyth	1·8	- 4·1	11	—	—	—	—	—	—
a Rhayader	757	64	19th	38	21st	59·3	47·9	53·2	—	4	0·92	23	—	Rhayader ..	2·9	—	17	1	27	—	—	—	—
t Pembroke	149	60	18th	47	18th	58·0	50·4	53·9	- 1·9	4	0·39	10	- 2	Pembroke ..	3·3	- 3·3	20	—	—	—	—	—	—
p Cardiff	202	69	18th	46	18th	63·3	50·1	56·2	- 1·5	3	0·42	11	- 5	Cardiff ..	4·4	—	27	0	37	60·8	+0·4	57·2	+1·3
b, ENGLAND, S.W.																							
h Bath	66	67	20th	45	22nd	63·7	51·6	57·2	- 0·9	3	0·58	15	+ 1	Bath	3·6	- 2·6	22	—	—	61·5	—	58·5	—
a Shaftesbury	722	69	19th	42	18th	63·3	47·6	54·9	- 1·8	4	0·23	6	- 8	Shaftesbury ..	—	—	—	—	—	60·0	—	56·8	—
a Arlington	613	62	20th	42	21st	59·6	48·7	53·8	- 2·2	6	0·91	23	+ 3										
h Newquay	190	65	20th	52	22nd	60·8	53·1	56·7	- 0·2	4	0·45	11	- 1	Newquay ..	4·8	- 1·7	29	—	—	60·2	—	56·4	—
a Cullompton	202	71	19, 20	42	21st	66·4	49·7	57·5	- 0·4	3	0·44	11	- 2	Cullompton ..	3·0	- 2·9	18	0	36	63·6	—	—	—
t Portland Bill	19	62	19th	51	18th	60·0	52·4	55·9	- 1·1	2	0·08	2	- 6	Weymouth ..	6·6	—	40	—	—	—	—	—	—
p Plymouth	116	68	19th	46	22nd	64·1	51·3	57·3	- 1·0	3	0·38	10	- 3	Plymouth ..	3·6	- 2·9	22	0	39	61·9	+0·8	58·0	—
h Falmouth	107	66	19th	46	21st	63·6	51·3	57·0	- 0·4	4	0·34	9	- 5	Falmouth ..	4·5	- 2·3	28	0	37	61·9	—	60·5	—
9. IRELAND, N.																							
t Malin Head	71	56	19, 23	47	21st	54·7	49·1	51·7	- 2·8	7	1·08	27	+11	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	59	19th	45	21, 24	57·0	47·1	51·7	- 4·3	7	1·04	27	+ 7										
a Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle..	122	66	18th	40	21st	59·9	48·1	53·6	- 1·7	7	1·21	31	+ 9	Markree Castle	3·1	- 2·1	18	1	30	58·0	- 0·7	54·0	+0·2
b, East .. *p* Armagh.. ..	204	63	19th	43	21st	60·9	48·6	54·3	- 1·7	7	0·94	24	+ 6	Armagh ..	3·5	- 1·8	21	0	40	57·2	- 0·7	54·3	+0·2
t Donaghadee	35	64	18th	46	24th	60·3	50·6	55·1	- 0·2	6	0·78	20	+ 3										
														Trinity Coll.	—	—	0	38		58·8	0·0	55·8	+0·7
														Phœnix Park	3·9	- 2·0	23	0	34	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	65	18, 22	46	21st	62·7	51·4	56·7	- 1·2	3	0·12	3	- 13	Dublin City ..	—	—	—	0	42	—	—	—	—
t Birr Castle	175	66	18th	42	21st	61·1	50·1	55·2	- 1·3	4	0·28	7	- 12	Birr Castle ..	3·3	- 1·8	20	0	34	—	—	—	—
a Kilkenny	195	68	18th	39	21st	62·9	50·0	56·0	- 0·8	3	0·21	5	- 15										
a Waterford	137	67	18, 19	42	21st	63·9	49·9	56·4	- 1·1	5	0·09	2	- 19										
p Seskin, Carrick-on-Suir	542	67	18th	41	21st	62·1	48·4	54·8	—	3	0·20	5	—	Seskin ..	3·7	—	22	0	33	—	—	—	—
a Foynes	50	63	22nd	47	21st	60·7	51·0	55·5	- 1·6	7	0·69	18	- 3										
t Cahirciveen (Val. Obs.)	30	59	18, 22	50	21, 24	57·9	51·7	54·6	- 2·1	5	0·25	6	- 20	Cahirciveen ..	2·3	- 3·5	14	0	47	—	—	—	—
a Killarney	174	65	18th	47	21st	61·9	51·5	56·3	- 0·8	7	0·42	11	- 12	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	66	18th	49	21st	62·1	52·1	56·8	- 0·1	3	0·09	2	- 19										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	68	21st	50	22nd	63·1	54·1	58·3	- 0·8	2	0·14	3	- 10	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	64	22, 24	50	22nd	62·9	52·3	57·2	- 1·5	2	0·26	7	- 5	Guernsey ..	6·0	- 1·7	37	0	43	63·8	+2·4	60·0	+2·0

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, June 24th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record, Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.	Highest Gust, Speed.		Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d. hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																				
**Deerness (Cup Anr.) ..	188	16	5	—	0	17, 19, 20	13	85	59	0	11	270	32	14	20 14	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	0	114	52	2	210	12	5	20 13	29	13	20	13	30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	10	118	40	0	220	16	7	20 12	—	—	—	—	—
Edinburgh	485	39	31	—	0	20	1	108	44	15	0	200	26	12	20 7	39	17	20	8	40
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	20, 24	7	84	67	10	0	220	29	13	20 7	45	20	20	6	50
Paisley	188	81	15	—	0	—	0	26	132	10	0	210	19	9	20 10	49	22	20	10	40
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0	—	0	10	118	35	5	230	17	7	20 14	31	14	20	13	40
South Shields	72	61	12	—	0	19, 20	6	70	85	7	0	290 / 250	27	12	19 12 / 20 10	47	21	20	9	35
Spurn Head	67	41	‡	—	0	19	2	98	68	0	0	270	26	11	19 6	33	15	19	6	20
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	—	0	41	112	15	0	230	18	8	24 17	31	14	24	16	50
Shoeburyness	103	90	‡	—	0	23, 24	5	36	83	10	34	210	30	13	24 17	41	18	24	17	0
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	30	117	21	0	200	20	9	24 14	31	14	23 / 24	15 / 13	50 / 45
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	45	82	18	23	—	23	10	24 18	37	17	24	18	5
Larkhill, S'y Plain ..	513	63	43	—	0	23, 24	4	116	48	0	0	250 / 170	27	12	23 16 / 24 12	34	15	23 / 24	15 / 12	55 / 20
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	21	127	20	0	210	19	8	24 14	34	15	24	13	55
Petersfield	811	42	‡	—	0	—	0	17	146	5	0	220	17	8	24 17	30	13	24	16	25
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	18, 19, 24	7	126	35	0	0	310	33	15	18 1	—	—	—	—	—
Southport	80	62	48	—	0	18 to 20, 22 to 24	30	120	18	0	0	250	31	14	20 14	42	19	20	14	25
Holyhead	60	40	‡	—	0	18, 20, 22, 24	8	139	21	0	0	260	27	12	24 24	42	19	20	7	25
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	—	0	22, 24	12	69	86	1	0	230	29	13	24 11	40	18	22	23	50
Plymouth	185	88	2	—	0	24	1	46	102	19	0	—	15	11	24 10	36	16	24	12	45
Lyme Regis	556	61	‡				Defective	Records												
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	18, 20, 23, 24	17	122	29	0	0	270	32	14	18 14	—	—	—	—	—
Quilty	100	40	‡‡	—	0	24	6	149	13	0	0	—	26	12	24 18	43	19	24	17	25
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	20, 22	4	119	45	0	0	280	25	11	22 14	42	19	24	19	30
Weaver Pt.	160	30	‡	—	0	—	0	77	91	0	0	—	24	11	22 15	41	19	22	15	5
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	—	0	22 to 24	17	95	44	0	12	290	31	14	24 24	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1922—June 18th to June 24th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	64	37	56·1	45·2	50·3	− 2.8	58	− 21	0	0	6	+ 2	0·79	20	+ 1	4·4	− 0·3	24	1010
Eastern.																			
1. SCOTLAND, EAST ..	69	36	59·3	46·0	52·2	− 2·2	71	− 16	0	0	5	+ 1	0·59	15	− 1	4·7	− 0·8	26	1011
2. ENGLAND, N.E. ..	70	41	63·7	49·7	56·2	+0·1	99	+ 1	0	0	4	+ 1	0·38	10	− 4	3·8	− 2·1	22	1016
3. ENGLAND, EAST ..	77	40	66·4	50·3	57·8	− 0·2	111	− 1	0	0	3	0	0·29	7	− 4	5·7	− 1·0	34	1018
4. MIDLAND COUNTIES	76	41	64·1	49·6	56.4	− 1·0	101	− 7	0	0	3	0	0·42	11	− 3	3·6	− 2·2	21	1018
5. ENGLAND, S.E. ..	78	37	66·0	50·6	57 7	− 0·6	110	− 4	0	0	3	0	0·23	6	− 5	6·4	− 0·5	39	1019
Western.																			
6. SCOTLAND, WEST ..	65	42	57·8	47·8	52·5	− 3·0	73	− 23	0	0	6	+ 2	1·35	34	+12	—	—	—	1013
7. ENGLAND, N.W. ..	67	38	59·5	50·2	54·5	− 2·2	87	− 16	0	0	5	+ 1	0·87	22	+ 4	2·4	− 3·3	14	1017
8. ENGLAND, S.W. ..	71	38	62·1	50·1	55·7	− 1·4	96	− 10	0	0	4	0	0·47	12	− 2	3·4	− 2·7	21	1020
9. IRELAND, NORTH ..	66	40	59·0	48 9	53·6	− 2·0	81	− 14	0	0	6	+ 1	0·89	23	+ 3	3·3	− 2·0	19	1014
10. IRELAND, SOUTH ..	68	39	61·7	51·0	55·9	− 1·1	97	− 8	0	0	5	+ 1	0·27	7	− 14	3·1	− 2 4	19	1019
11. ENGLISH CHANNEL..	71	50	63·1	52·8	57·6	− 0·7	109	− 5	0	0	2	− 1	0·17	4	− 8	5·3	− 2·1	33	1022
MEAN: DISTRICTS 1-10	78	36	62·0	49·4	55.3	− 1·4	93	− 10	0	0	4	+ 1	0·58	15	− 1	4·0	− 1·9	24	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, May 28th to June 24th, 1922.

0. SCOTLAND, NORTH ..	76	37	57·5	45·4	51·0	− 0·7	253	− 25	0	− 2	17	+ 2	1·85	47	− 15	4·3	− 1·1	24	1015
Eastern.																			
1. SCOTLAND, EAST ..	80	30	62·1	44·9	53·0	+0·1	307	− 2	0	− 1	11	− 2	1·19	30	− 21	6·4	+ 0·3	37	1016
2. ENGLAND, N.E. ..	84	38	66·8	48·2	56·9	+2·6	416	+72	0	0	7	− 5	0 91	23	− 23	8·1	+ 1·9	48	1018
3. ENGLAND, EAST ..	83	39	67·5	49·9	58·1	+1·9	451	+54	0	0	7	− 5	0·78	20	− 26	8·7	+ 1·9	52	1019
4. MIDLAND COUNTIES	85	34	69·5	47·8	57·9	+2·0	447	+55	0	0	6	− 6	0·72	19	− 31	8·3	+ 2·2	50	1019
5. ENGLAND, S.E. ..	85	33	68·7	50·1	58·8	+1·9	469	+51	0	0	7	− 5	0·81	21	− 24	8·9	+ 1·8	54	1019
Western.																			
6. SCOTLAND, WEST ..	82	35	62·5	46·6	54·1	− 0·2	337	− 12	0	0	13	− 1	2·26	57	− 11	—	—	—	1017
7. ENGLAND, N.W. ..	86	36	64·5	48·5	56·0	+0·7	392	+21	0	0	9	− 4	1·28	32	− 22	7·9	+ 1·3	47	1019
8. ENGLAND, S.W. ..	85	33	66·7	49·5	57·5	+1·5	436	+42	0	0	9	− 4	0·74	19	− 34	8·6	+ 1·8	52	1020
9. IRELAND, NORTH ..	78	35	62·5	47·4	54·5	+0·2	349	+ 3	0	0	15	− 1	1·54	40	− 23	5·6	− 0·2	33	1018
10. IRELAND, SOUTH ..	82	35	64·9	49·5	56·7	+0·8	411	+22	0	0	10	− 3	0·78	20	− 42	6·5	+ 0·3	39	1021
11. ENGLISH CHANNEL..	80	45	64·3	52·5	58·0	+1·0	448	+28	0	0	6	− 6	1·02	26	− 19	8·7	+ 0·9	54	1020
MEAN: DISTRICTS 1-10..	86	30	65·6	48·2	56·3	+1·1	401	+31	0	0	9	− 4	1·10	28	− 26	7·7	+ 1·3	46	1019

THE YEAR. Aggregates, &c., for the Period of 25 Weeks, January 1st to June 24th, 1922.

0. SCOTLAND, NORTH ..	76	18	47·5	37·0	42·1	− 0·5	507	−153	489	− 50	117	+ 2	21·74	553	− 24	3·3	− 0·2	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	48·3	35·9	41·9	− 0·8	609	−147	627	+10	102	+ 4	12·89	329	− 2	3·8	− 0·2	31	1009
2. ENGLAND, N.E. ..	84	12	50·7	37·9	44·1	+0·1	877	+38	509	+37	89	0	10·31	263	+ 6	4·5	+ 0·3	36	1012
3. ENGLAND, EAST ..	89	16	52·3	38·9	45·4	+0·6	1018	+15	431	− 63	86	− 1	11·18	284	+32	5·0	+ 0·5	40	1013
4. MIDLAND COUNTIES	86	11	52·5	37·7	44·8	+0·1	988	− 36	496	− 26	91	+ 5	12·96	329	+43	4·3	+ 0·3	34	1013
5. ENGLAND, S.E. ..	88	17	53·3	40·0	46·5	+0·6	1097	+ 8	318	− 61	89	+ 4	12·88	328	+44	5·1	+ 0·5	41	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	50·2	37·6	43·7	− 0·7	744	−119	448	+32	101	− 3	22·21	564	+56	—	—	—	1011
7. ENGLAND, N.W. ..	86	20	50·7	39·2	44·8	− 0·2	846	− 67	360	− 22	91	− 2	13·87	353	− 6	4·5	+ 0·4	36	1012
8. ENGLAND, S.W. ..	85	13	52·7	40·3	46·3	+0·1	1026	− 26	268	− 33	97	+ 4	16·91	434	+28	4·9	+ 0·4	39	1013
9. IRELAND, NORTH ..	78	22	51·4	39·7	45·4	+0·1	873	− 49	279	− 61	115	+ 2	17.42	444	+31	4·2	+ 0·3	33	1010
10. IRELAND, SOUTH ..	82	23	53·2	41·2	47·0	+0·2	1074	− 40	203	− 57	106	+ 6	16·19	411	− 32	4·5	+ 0·4	35	1012
11. ENGLISH CHANNEL..	81	28	54·0	44·7	49·2	+0·7	1310	+64	50	− 55	100	+ 2	15·98	406	+68	5·1	− 0·1	41	1014
MEAN: DISTRICTS 1-10 ..	89	8	51·5	38·8	45·0	0·0	915	− 42	394	− 24	97	+ 2	14·68	374	+20	4·5	+ 0·3	36	1012
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
30th June, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 26.

TWENTY-SIXTH WEEK.
SUNDAY, JUNE 25TH, TO SATURDAY, JULY 1ST, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Owing to a succession of depressions and small secondary disturbances which crossed the British Isles during the week, the weather everywhere was cold, changeable and unsettled. Dull, wet weather alternated with occasional brighter but showery intervals. The mean temperature for the week was everywhere below the normal, the deficit ranging from 6·7°F. at Clifton (Gloucestershire) to 2·0°F. at Tynemouth. At a few stations only did the thermometer rise beyond 65°F. The highest temperature reached was 68°F. at Bath, Cambridge, Grange (Guernsey), Kew and Wisley. Ground frost was reported at two stations. With the exception of a few places in England N.E., Scotland N. and E., and Ireland N., sunshine was everywhere deficient. Aberystwyth, with 1·2 hours mean daily sunshine, only received 18 per cent. of its normal amount. On the other hand, the mean daily sunshine at Cockle Park was 7·2 hours, which is 20 per cent. above the normal. Rainfall was above the normal at most stations. Amongst the largest amounts measured were :—23mm. at Lancaster and Plymouth on June 27th and July 1st respectively; 20mm. at Stonyhurst on the 29th, 19mm. at Clacton on the 28th, 18mm. at Arlington and Fort William on July 1st, and 17mm. at Crathes on the 26th. Thunder was reported at several stations during the week. At Kew the wind reached gale force in squalls on the 25th, whilst Southport reported a westerly gale on the 26th. Solar halos were observed at Fort Augustus on the 30th, at Armagh on the 30th, and at Oxford on the 29th. On June 30th and July 1st solar halos with mock suns were observed at Oxford. A particularly fine pair of rainbows on the 29th was reported by the observer at Hastings. Both primary and secondary bows were well defined. The former showing supernumerary bands, two red and two green, which reached their greatest development at the crown of the arch.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	9	5	2·2	18	6	2·7	18	7	3·0	19	7	3·1	18	11	4·7	13	9	4·0	25	8	3·7	15	9	4·2
North ...	13	8	3·5	6	4	1·7	3	4	1·7	2	4	1·6	5	7	3·3	13	11	4·9	3	3	1·4	12	6	2·9
West ...	19	14	6·2	25	13	5·8	26	9	4·1	27	8	3·6	27	15	6·6	28	17	7·6	25	17	7·4	26	14	6·1
East ...	6	6	2·5	1	9	4·2	0	—	—	0	—	—	0	—	—	0		—	2	2	1·1	2	2	0·7
Calm (or wind-speed < 4 m.p.h.)	1	—	—	1	—	—	2	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	—	—	Deficient
	Rainfall ..	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	—	—	Heavy
	Sunshine ..	Abundant	Moderate	Moderate	Scanty	Very Scanty	Very Scanty	—	Very Scanty	Very Scanty	—	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER, 5 weeks from May 28th, 1922.	Warmth ..	1, 1, 3	1, 1, 3	2, 2, 1	2, 2, 1	2, 2, 1	2, 2, 1	1, 1, 3	2, 0, 3	2, 1, 2	—	—	2, 2, 1
	Rainfall ..	0, 4, 1	0, 3, 2	0, 3, 2	1, 2, 2	0, 3, 2	1, 2, 2	2, 2, 1	2, 1, 2	1, 1, 3	—	—	1, 3, 1
	Sunshine ..	1, 2, 2	1, 3, 1	2, 2, 1	2, 1, 2	3, 0, 2	2, 2, 1	—	3, 0, 2	3, 0, 2	—	—	1, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from veragea
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	53	26,28,1	40	30th	51·7	44·6	47·9	- 3·6	6	0·60	15	+ 4										
p Deerness, Orkney	165	56	28th	44	29th	53·9	45·9	49·6	- 2·9	6	0·36	9	- 3	Deerness	6·1	+1·4	33	—	—	—	—	—	—
a Islands — *t* Stornoway	51	58	1st	44	26, 27, 29	55·7	45·0	50·0	- 3·8	6	0·70	18	+ 3	Stornoway	5·9	+0·6	33	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	58	28th	41	29th	54·3	44·1	48·8	- 4·6	7	0·63	16	+ 4										
a Strathpeffer	125	62	1st	41	27th	59·3	44·0	51·1	- 5·0	5	0·44	11	- 1										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	61	27th	44	28, 29	58·3	46·0	51·7	- 4·0	6	0·56	14	+ 1										
p Fort William	171	63	25th	44	29th	59·0	46·1	52·1	- 4·6	7	1·54	39	+16										
1. SCOTLAND, E.																							
t Nairn	82	62	30th	40	25th	59·9	44·0	51·4	- 4·5	5	0·77	20	+ 9	Nairn	4·9	—	38	—	—	—	—	—	—
p Gordon Castle	101	64	1st	41	25th	58·1	44 3	50·7	- 5·4	6	0·62	16	+ 3	Gordon Castle	4·3	—	24	—	—	—	—	—	—
t Aberdeen	46	60	27, 28	43	29th	57·6	45·3	51·0	- 4·5	6	1·26	32	+21	Aberdeen	4·4	- 1·9	25	0	34	—	—	51·7	+0·2
a Balmoral	930	59	27,30,1	36	25th	57·1	40·0	48·0	- 6·1	6	0.30	8	- 3	Balmoral	—	—	—	0	31	—	—	—	—
p Crieff	432	63	25th	39	29th	60·1	43·0	51·0	- 6 5	6	0·77	20	+ 6	Crathes	4·6	- 1·4	26	0	32	53·2	—	49·8	—
a Dundee	244	63	30th	40	25, 28, 29	61·6	41·7	51 0	- 6·3	7	0·82	21	+10	Dundee	5·4	—	31	0	34	55·3	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	61	1st	45	25th	56·9	46·9	51·6	—	5	0·55	14	—	(F. of Forth)	6·7	—	39	0	43	—	—	—	—
p Edinburgh	441	63	1st	44	28, 29	59·7	45·3	52·0	- 3·9	4	0·64	16	+ 5	Edinburgh	7·4	+1·0	42	0	41	—	—	—	—
a West Linton	769	58	27, 30	41	27th	56 0	43 0	49·1	- 5 0	5	0·59	15	—	West Linton	—	—	—	0	58	—	—	—	—
a Marchmont	498	63	30, 1	41	25th	60·9	43·6	51·7	- 4·1	3	0·73	19	+ 6	Marchmont	7·2	+0·7	41	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	60	30th	39	25th	57.6	45·1	50·9	—	7	1·71	43	—	Ford (Argyll)	—	—	—	0	41	56·4	—	53 1	—
t Renfrew	49	62	1st	45	26, 28, 29	58·6	46·1	51·9	—	5	0·50	13	—	Renfrew	4·7	—	27	0	39	—	—	—	—
p Rothesay	200	60	1st	43	28th	56.4	45·3	50·5	- 6·3	7	0·93	23	+ 4	Rothesay	6·3	—	36	0	40	56·4	—	53·0	- 0·5
a Kilmarnock	90	63	1st	44	28th	60·0	47·0	53·1	- 3·1	4	1.08	27	+12	Kilmarnock	4·6	—	26	—	—	56·0	—	52·5	—
a Colmonell	170	59	25,26,1	47	25, 28	58·1	48·4	52·9	- 2·7	6	0·65	17	+ 2	Colmonell	—	—	—	0	44	—	—	—	—
p Dumfries	160	59	25, 28	43	29th	58·0	46·3	51·7	- 6·3	5	0·99	25	+10	Dumfries	5·8	—	34	0	35	55·2	- 3·5	53·0	- 2·9
t Eskdalemuir	794	58	25th	41	25, 30	55·7	42·9	48·9	—	7	2·01	51	—	Eskdalemuir	5·1	—	29	0	34	—	—	—	—
b, I. OF MAN *h* Douglas	284	60	30th	43	26th	56·1	47·4	51·5	- 5·0	6	1·04	27	+12	Douglas	4·2	- 2·6	25	0	39	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	26th	45	25, 29	62·6	47·1	54·3	- 2·2	4	0·28	7	- 6	Cockle Park	7 2	+1·2	42	0	31	54·5	- 1·9	53·0	- 0·3
t Tynemouth	118	64	30th	46	29th	62·1	47·7	54·4	- 2·0	5	0·36	9	- 3	Tynemouth	—	—	—	0	40	—	—	—	—
p Durham	336	63	26th	43	29, 30	60·6	45 1	52·3	- 5·0	5	0·40	10	- 2	Durham	5·9	+0·1	34	1	29	—	—	—	—
a, North — *p* Rounton	249	62	30, 1	40	29th	60·9	45·3	52·6	- 4·2	6	0·39	10	- 5	Rounton	—	—	—	1	30	56·3	—	—	—
a West Witton	605	61	26th	43	30th	57·4	46·6	51·6	—	6	0·46	12	—	West Witton	—	—	—	0	38	55·5	—	52·0	—
h Scarborough	118	64	26, 29, 30	46	29, 30	62·4	49·6	55·6	- 2·2	5	0·44	11	0	Scarborough †	6·7	+0·7	39	—	—	—	—	57·1	—
p York	56	63	30th	46	29, 30	60·3	49·3	54·4	- 5·0	7	0·36	9	- 4	York	4·2	- 1·8	25	—	—	55 7	- 2 2	53·8	- 0 5
t Spurn Head	26	65	1st	45	30th	61·3	49·6	55·0	- 3·2	4	0·43	11	+ 2	Spurn Head	3·7	—	22	—	—	—	—	—	—
b, South — *a* Lincoln	58	65	1st	43	30th	61·6	48·3	54·5	- 5·5	5	0·34	9	- 3	Lincoln	—	—	—	0	41	56·5	- 2·9	55·8	+0·5
t Cranwell	237	65	28, 1	44	29, 30	62·0	48·4	54·7	- 4·9	5	0·46	12	0	Cranwell	4·1	- 2·8	24	0	39	—	—	—	—
														Skegness	4·9	- 2·3	29	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	66	28th	45	26, 29, 30	62·6	48·1	54·9	- 3·7	7	0·69	17	+ 6	Cromer	4·9	- 2·2	29	—	—	—	—	—	—
a Little Massingham	277	64	28th	43	29th	60·7	47·6	53·7	- 5·2	7	1·03	26	+13	Lit Massingham	3·9	- 3·0	23	—	—	—	—	—	—
t Yarmouth	13	65	28th	45	29, 30	62·1	49·9	55·6	- 3·5	7	0·98	25	+14	Yarmouth	4·9	—	29	0	41	58·9	- 2·8	57·6	- 0·3
a Norwich	93	65	30, 1	44	30th	62·4	48·7	55·1	- 4·8	7	0·54	14	+ 2	Norwich	5·0	—	30	0	40	59·1	—	—	—
a Geldeston	37	65	28, 1	43	30th	62·6	49·6	55·7	- 3·7	6	0·85	22	+11	Geldeston	4·5	- 3·0	27	—	—	—	—	—	—
p Cambridge	41	68	27th	42	30th	64·1	47·7	55·3	- 5·2	4	0·51	13	+ 2	Cambridge	4·7	- 2·6	28	0	32	59·2	- 1·9	57·2	- 0·1
t Clacton-on-Sea	54	64	27, 28, 30	47	29th	62 4	51·9	56 8	- 2·9	5	0·98	25	+16	Clacton-on-Sea	4·2	- 3·7	25	0	45	58·5	- 1·6	57·6	+0·1
a Rothamsted	420	64	27th	43	26, 29	61·0	48·0	54·1	- 5·3	5	0·59	15	+ 3	Rothamsted	4·0	- 3·1	24	0	36	57·0	—	—	—
p Tottenham	51	67	27th	47	2 9h	63·1	51·4	56·8	—	6	0·78	20	—	Tottenham	4·7	—	28	—	—	—	—	—	—
														Southend	4·6	—	28	0	45	59·8	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	60	30, 1	43	29, 30	57·7	46·6	51·8	- 5·4	4	0·20	5	- 10	Harrogate	4 6	- 2·1	27	0	37	54·5	- 1·2	54·0	+0·1
a, North — *p* Sheffield	429	61	28th	45	25th	58·7	48·1	53·0	—	6	0·79	20	—	Sheffield	3·3	- 3·0	19	0	42	55·5	- 1·7	53·5	+0·8
p Buxton	987	57	30, 1	43	25, 26, 29	55·1	45·6	50·0	- 6·0	7	1·14	29	+ 8	Buxton	2·4	—	14	0	39	54·1	- 2·7	53·9	+1·3
a Worksop	56	65	30th	43	30th	62·0	48·3	54·7	- 4·3	5	0·35	9	- 4	Worksop	3.5	- 2·3	21	0	34	56·6	—	55·2	—
t Nottingham	82	65	30th	45	26th	61·6	49·6	55·2	- 4·3	5	0·50	13	0	Nottingham	3·4	- 2·8	20	0	40	57·3	- 1·9	56·4	+0 6
b, East — *p* Birmingham, Edgbsn.	525	63	26, 27	45	25, 26, 29	59·7	47·3	53.1	- 6·1	6	0·57	14	0	Birmingham	2·3	- 3·0	14	0	42	53·2	- 1·0	52·0	+1·1
a Raunds	213	65	27, 30	44	26, 29	62·7	48·3	55·0	- 5·0	5	0·39	10	- 3	Raunds	4·2	—	25	0	41	58·5	—	—	—
p Oxford	208	67	27th	44	29th	62·4	49·0	55·2	- 5·1	5	0·73	19	+ 5	Oxford	3·6	- 3·3	22	0	39	—	—	—	—
														Malvern	3·7	—	22	0	40	58·1	—	58·2	—
a Cheadle (N. Staffs.)	646	61	28, 30	42	29, 30	58·4	45·7	51·6	- 6·1	7	1·02	26	+ 9	Cheadle	—	—	—	0	35	—	—	—	—
s, West — *p* Tenbury	313	64	26th	45	25, 29	61·4	47·9	54·2	- 4·6	6	0·63	16	+ 4	Tenbury	—	—	—	0	37	56·3	—	—	—
a Hereford	291	65	29th	45	29th	63·1	49·3	55·7	- 3·9	3	0·33	8	- 5	Ross on Wye	3·3	—	20	0	40	58·6	—	59·0	—
a Clifton	225	64	27th	47	29th	59·7	50·4	54·7	- 6·7	6	1·16	29	+13	Clifton	2·7	—	17	0	41	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	66	27th	41	29th	61·1	47·6	53·9	- 4·2	6	0·96	24	+12	Worthing	4·5	- 3·9	28	0	41	59·5	- 2·6	57·5	- 0·2
a Porton	340	67	27th	40	29th	62·5	46·9	54·2	—	7	0·79	20	—	Marlborough	3·4	- 3·3	21	0	34	57·6	—	55·9	—
a Wisley, Surrey	150	68	27th	44	29th	63.7	49·9	56·3	- 3·6	7	0·70	18	+ 9	Porton	—	—	—	0	31	58·7	—	—	—
h Tunbridge Wells	354	63	27, 1	43	29th	61·7	48·6	54·7	- 5·0	6	0·70	18	+ 8	Wisley, Surrey	4·9	- 2·6	29	0	37	60·2	- 0·3	57·6	+1·0
h Margate	51	65	1st	47	26, 30	62·4	50·6	56·1	- 4·1	3	0·43	11	+ 2	Tunbridge Wells	4·5	- 3·1	27	0	34	58·4	—	56·6	—
														Margate	3·8	- 3 4	23	0	45	60·5	- 1·0	61·1	+3·0
t Dungeness	21	63	1st	47	29th	60·9	52·4	56·4	- 2·9	6	0·94	24	+16	Folkestone	5·0	—	31	0	40	—	—	58·2	—
h St. Leonards	178	63	1st	45	29th	60·6	50.5	55·2	- 4·5	5	0·70	18	+ 8	St. Leonards	5·1	- 3·3	31	0	40	60·6	—	—	—
p Southampton	64	64	29, 30	46	29th	63·0	50·6	56·4	- 5·0	7	0·97	25	+15	Southampton	4·3	- 3·5	26	0	40	—	—	—	—
a Ventnor	59	62	30, 1	48	29th	60·6	52·3	56·2	- 4·2	6	0·66	17	+ 8	Ventnor	4·8	- 3·2	29	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	68	27th	47	29th	63·6	51·9	57·3	- 3·7	6	0·63	16	+ 5	Richmond	5·0	- 2·2	30	0	40	58·6	- 1·6	56·5	+0 5
a Westminster	27	67	27th	46	29th	63·7	52·0	57·4	- 4·1	5	0·78	20	+10	Westminster	4·8	- 1·6	29	0	42	—	—	—	—
ae Greenwich	149	71	27th	45	29th	65·7	50·4	57·5	- 4·0	6	0·69	18	+ 8	Greenwich	5·3	- 2·0	32	0	38	—	—	—	—
a Hampstead	450	65	27th	44	29th	60·9	48.7	54·4	—	6	0·78	20	—	Hampstead	4·5	—	27	0	37	—	—	—	—
a Camden Square	110	68	27th	45	29th	64·3	51·4	57·4	- 5·2	6	0·67	17	+ 6	Camden Square	—	—	—	—	—	59·4	—	57·9	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	59	1st	44	25, 29	56·1	46·1	50·8	- 6·3	6	0.98	25	+ 7	Aspatria	4·1	- 2·3	24	0	41	54·0	- 3·3	51·9	- 1·0
p Newton Rigg	559	59	25,27,1	43	29th	58·3	45·1	51·2	5·8	6	0·90	23	+ 8	Newton Rigg	5·1	- 1·3	30	0	36	—	—	—	—
p Stonyhurst	375	61	1st	46	26th	57·6	48·4	52.7	- 4·9	7	1·55	39	+18	Stonyhurst	2·6	- 3·3	16	0	42	—	—	—	—
h Blackpool	66	60	30, 1	49	25th	57·9	50·9	54 2	- 3·8	6	1·02	26	+11	Blackpool	3·5	- 3·7	20	0	43	56·9	—	53·7	—
h Southport	37	61	1st	49	25th	57 9	50·6	54·0	- 4 3	7	0·94	24	+ 9	Southport	3·7	- 3·3	22	0	45	58·7	- 2·8	57·8	- 0·6
														Hoylake	3·6	- 3·0	21	—	—	—	—	—	—
t Liverpool (Bidston)	188	64	1st	47	25, 26	58·6	49·3	53·6	- 5·3	6	0·59	15	0	Liverpool	2·9	—	17	0	43	—	—	—	—
a Hawarden Bridge	22	66	1st	47	26th	60·4	50 1	54·9	- 4·6	7	0.56	14	+ 1	Manchester City	2·3	- 3·0	13	0	44	56·3	- 2·5	57·1	+0·5
p Manchester (Whit. Pk.)	125	62	1st	46	26th	58·6	49·6	53·8	- 5·9	7	0.59	15	- 3	„ Whit. Pk.	1·9	- 3·4	11	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	63	1st	44	25th	58·3	48·3	53·0	6·0	6	0·60	15	+ 1	Llandudno	3.6	- 3·3	22	—	—	—	—	—	—
t Holyhead	15	60	26, 30	48	25th	57·4	49·9	53·4	4·0	6	0·85	21	+ 6	Holyhead	3·2	—	19	0	44	—	—	—	—
a Aberdovey	60	59	28,29,1	49	25th	58·1	52·0	54·8	—	6	0·54	14	—	Aberdovey	1·5	- 4·9	9	0	45	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	60	1st	48	29th	57·6	52·0	54·6	—	7	0·30	8	—	Aberystwyth	1·2	- 5·4	7	—	—	—	—	—	—
a Rhayader	757	60	26th	43	25th	56·9	46·7	51·4	—	7	0·98	25	—	Rhayader ..	2·5	—	15	0	40	—	—	—	—
t Pembroke	149	56	26-28, 30, 1	49	25, 29	55·7	51·1	53·2	- 3·9	3	0·51	13	+ 1	Pembroke ..	4·1	- 3·3	25	—	—	—	—	—	—
p Cardiff	202	62	27th	45	29th	58·9	48·9	53·6	- 5·4	7	1·38	35	+19	Cardiff ..	4·5	—	27	0	40	57·9	- 2·5	57·0	+0·6
b, ENGLAND, S.W.																							
h Bath	66	68	27th	44	29th	61·7	50·9	55·9	- 3·7	6	0·92	23	+10	Bath	3·1	- 4·0	19	—	—	60·1	—	58·4	—
a Shaftesbury	722	63	27, 28	44	29th	59·9	47·4	53·2	- 5·0	6	0·96	24	+10	Shaftesbury ..	—	—	—	—	—	55·0	—	55·8	—
a Arlington	613	61	27th	45	25th	58·0	49·0	53·2	- 4·1	7	1·86	47	+27										
h Newquay	190	63	27th	50	25th	59·1	52·7	55·7	- 2·7	5	1·11	28	+16	Newquay ..	3·2	- 4·3	20	—	—	58·8	—	56·7	—
a Cullompton	202	67	27th	42	29th	63·3	49·7	56·0	- 3·3	5	1·02	26	+13	Cullompton ..	3·9	- 2·8	24	0	36	60·3	—	—	—
t Portland Bill	19	59	25–27, 29–1	50	26th	58·9	51·9	55·2	- 3·3	5	0·72	18	+ 9	Weymouth ..	5·0	—	30	—	—	—	—	—	—
p Plymouth	116	62	26, 29	48	29th	60·0	51·7	55·6	- 4·0	6	1·35	34	+20	Plymouth ..	3·3	- 4·1	20	0	41	58·5	- 3·1	57·6	—
h Falmouth	167	63	27th	48	25, 29	60·9	50·9	55·6	- 3·3	5	1·08	27	+13	Falmouth ..	4·4	- 3·5	27	0	45	60·6	—	60·0	—
9. IRELAND, N.																							
t Malin Head	71	61	1st	44	26th	55·3	47·0	50·9	- 4·8	7	0·83	21	+ 7	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	62	1st	43	29th	58·9	46·7	52·4	- 3·9	7	1·01	26	+ 7	Markree Castle	4·6	+0·1	27	0	39	57·4	- 1·5	54·4	+0·1
p Armagh..	204	61	1st	44	29th	58·9	46·9	52·5	- 4·6	7	0·74	19	+ 3	Armagh ..	5·3	+0·5	31	0	41	56·8	- 1·4	54·2	- 0·4
b, East .. *t* Donaghadee ..	35	63	1st	42	26th	58·1	46·6	52·0	- 4·5	7	0·88	22	+ 7										
														Trinity Coll. Phœnix Park	4·4	- 1·4	26	0	41	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	65	1st	46	25th	60·4	49 6	54 6	- 4·7	7	0·41	10	- 2	Dublin City ..	—	—	—	0	43	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—										
a Waterford	137	64	26th	45	25th	62 4	49·9	55·7	- 3·2	4	0·75	19	+ 4										
p Seskin, Carrick-on-Suir	542	64	27, 28	43	25, 29	61·3	47·0	53·7	—	5	0·87	22	—	Seskin ..	4·8	—	29	0	40	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	59	1st	48	29th	56·6	50·6	53·4	- 4·6	6	1·25	32	+14	Cahirciveen ..	3·1	- 2·5	18	0	45	—	—	—	—
a Killarney	174	67	27th	46	25th	60·6	49·9	54·9	- 3·5	7	0·84	21	+ 5	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	63	26th	46	25th	58·7	50·3	54·2	- 4·0	3	0·60	15	0										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	61	26, 27, 30	49	25th	59·6	51·7	55·4	- 3·4	6	0·56	14	+ 6	Scilly ..	2·8	- 5·4	17	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	67	1st	52	25, 29, 30	61·9	54·6	58·0	- 2·5	4	0·71	18	+ 9	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	68	1st	51	25, 29, 30	61·7	52·3	56·7	- 3·4	5	0·69	17	+ 8	Guernsey ..	5·1	- 3·8	31	0	46	61·7	- 0·1	60·0	+1·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, July 1st, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Buildings.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	hr.	Highest Gust. Speed m.p.h	Speed m/s.	Time. d.	h.	m
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
**Deerness (Cup Anr.) ..	188	16	5	—	0	27, 29	10	79	75	4	0	310	29	13	29	9	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	2	74	92	0	170	13	6	1	21	31	14	1	21	15
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	33	102	33	0	330	20	9	29	11	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	115	47	6	0	290	24	11	29	17	40	18	25	16	40
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	1	7	106	52	3	0	210	30	13	1	19	43	19	1	18	30
Paisley	188	81	15	—	0	—	0	48	113	3	4	310	22	10	29	14	39	18	29	12	50
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	19	115	12	22	190	20	9	1	12	32	14	1	11	40
South Shields	72	61	12	—	0	—	0	94	60	0	14	290	24	11†	25	18	40	18	1	18	50
Spurn Head	67	41	‡	—	0	25, 29, 1	25	102	40	1	0	180	31	14	1	19	45	20	30	11	10
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	51	111	6	0	200	24	11	1	13	34	15	1	11	40
Shoeburyness	103	90	‡	—	0	—	0	111	50	0	7	220	24	11	1	15	36	16	29	15	30
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	52	109	7	0	270 / 250	20	9	25 15 / 30 14		38	17	25	11	55
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	25	1	117	50	0	0	—	25	11	25	18	36	16	25	17	45
Larkhill, S'y Plain ..	513	63	43	—	0	25, 26, 29, 1	26	137	5	0	0	270	33	15	25	15	42	19	25 14 / 1 12	40 / 55	
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	50	115	3	0	220	20	9	1	14	40	18	25	13	25
Petersfield..	811	42	‡	—	0	—	0	55	113	0	0	270 / 220	17	8	25 15 / 27 14		43	19	25	14	55
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	26, 27, 29 to 1	39	107	20	2	0	250	37	16	25	9	—	—	—	—	—
Southport	80	62	48	25	1	25 to 27, 29 to 1	53	94	20	0	0	270	39	17	25	13	52	23	25	12	20
Holyhead	60	40	‡	—	0	25, 26, 29 to 1	30	119	17	0	2	250 / 270	33	15	25 7 / 11		49	22	1	8	40
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	26, 27, 1	18	122	28	0	0	—	36	16	1	9	45	20	1	12	40
Plymouth	185	88	2	—	0	1	15	101	52	0	0	—	36	16	1	17	43	19	1	17	20
Lyme Regis	556	61	‡				Defective	Records													
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	25	1	25, 26, 29, 1	23	107	35	2	0	250	39	17	25	6	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	30, 1	11	117	40	0	0	170	27	12	30	23	46	21	1	20	35
Weaver Pt.	160	30	‡	—	0	1	4	80	81	3	0	—	27	12	1	2	43	19	1	0	35
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	25, 26, 28, 29, 1	53	106	9	0	0	280 / 300	31	14	26 6 / 7		—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees†

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. † Also from 290° on 26th at 1 h; 290° on 29th at 9 h; 200° on 1st at 18 h.

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SIXTH WEEK of 1922—June 25th to July 1st, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	63	40	56·4	45·0	50·3	− 4·0	58	− 27	0	0	6	+ 2	0·75	19	+ 2	6·0	+1·6	33	1000
Eastern.																			
1. SCOTLAND, EAST ..	64	36	58·3	43·8	50·6	− 5·4	60	− 37	0	0	5	+ 2	0·70	18	+ 6	5·7	− 0·5	32	1000
2. ENGLAND, N.E. ..	66	40	61·5	47·8	54·2	− 3·5	85	− 25	0	0	5	+ 2	0·38	10	− 2	5·5	− 0·9	32	1005
3. ENGLAND, EAST ..	68	42	62·3	49·2	55·3	− 4·4	93	− 31	0	0	6	+ 3	0·77	20	+ 9	4·5	− 2·9	27	1009
4. MIDLAND COUNTIES	67	42	60·9	48·2	54.1	− 5·0	85	− 35	0	0	5	+ 2	0·59	15	+ 1	3·3	− 3·1	20	1008
5. ENGLAND, S.E. ..	68	40	62·0	50·1	55·7	− 4·3	96	− 30	0	0	6	+ 4	0·75	19	+ 9	4·5	− 3·3	28	1011
Western.																			
6. SCOTLAND, WEST ..	63	39	57·8	46·5	51·8	− 4·9	69	− 33	0	0	6	+ 2	0·99	25	+ 8	—	—	—	1003
7. ENGLAND, N.W. ..	66	43	58·1	48·6	53·1	− 4·9	78	− 34	0	0	6	+ 3	0·85	22	+ 5	3·5	− 2·8	20	1006
8. ENGLAND, S.W. ..	68	42	59·4	49·8	54·3	− 4·2	86	− 30	0	0	6	+ 3	1·08	27	+12	3·2	− 3·8	19	1011
9. IRELAND, NORTH ..																4·9	+0·2	29	1004
10. IRELAND, SOUTH ..																			1009
11. ENGLISH CHANNEL..	68	49	61·1	52·9	56·7	− 2·9	103	− 23	0	0	5	+ 2	0·65	17	+ 8	4·3	− 4·3	27	1014
MEAN: DISTRICTS 1-10																			1007

THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, May 28th to July 1st, 1922.

0. SCOTLAND, NORTH ..	76	37	57·2	45·3	50·9	− 1·3	311	− 52	0	− 2	23	+ 4	2·60	66	− 13	4·7	− 0·5	26	1012
Eastern.																			
1. SCOTLAND, EAST ..	80	30	61·3	44·7	52·5	− 1·0	367	− 39	0	− 1	16	0	1·89	48	− 15	6·3	+ 0·2	36	1013
2. ENGLAND, N.E. ..	84	38	65·7	48·1	56·3	+1·3	501	+47	0	0	12	− 3	1·29	33	− 25	7·5	+ 1·3	45	1016
3. ENGLAND, EAST ..	83	39	66·4	49·7	57·5	+0·6	544	+23	0	0	13	− 2	1·55	40	− 17	7·8	+ 0·9	47	1017
4. MIDLAND COUNTIES	85	34	67·8	47·9	57·2	+0·6	532	+20	0	0	11	− 4	1·31	34	− 30	7·3	+ 1·1	44	1017
5. ENGLAND, S.E. ..	85	33	67·4	50·1	58·2	+0·7	565	+21	0	0	13	− 1	1·56	40	− 15	8·0	+ 0·8	49	1017
Western.																			
6. SCOTLAND, WEST ..	82	35	61·6	46·6	53·6	− 1·2	406	− 45	0	0	19	+ 1	3·25	82	− 3	—	—	—	1015
7. ENGLAND, N.W. ..	86	36	63·2	48·5	55·4	− 0·4	470	− 13	0	0	15	− 1	2·13	54	− 17	7·0	+ 0·5	42	1016
8. ENGLAND, S.W. ..	85	33	65·2	49·6	56·9	+0·4	522	+12	0	0	15	− 1	1·82	46	− 22	7·5	+ 0·7	46	1018
9. IRELAND, NORTH ..																5·5	− 0·1	32	1015
10. IRELAND, SOUTH ..																			1018
11. ENGLISH CHANNEL..	80	45	63·6	52·6	57·7	+0·2	551	+ 5	0	0	11	− 4	1·67	43	− 11	7·8	− 0·2	48	1019
MEAN: DISTRICTS 1-10..																			1016

THE YEAR. Aggregates, &c., for the Period of 26 Weeks, January 1st to July 1st, 1922.

0. SCOTLAND, NORTH ..	76	18	47·9	37·3	42·4	− 0·7	565	−180	489	− 50	123	+ 4	22·49	572	− 22	3·4	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	48·7	36·2	42·2	− 1·1	669	−184	627	+10	107	+ 6	13·59	347	+ 4	3·9	− 0·1	31	1009
2. ENGLAND, N.E. ..	84	12	51·1	38·3	44·5	0·0	962	+13	509	+37	94	+ 2	10·69	273	+ 4	4·5	+ 0·2	36	1011
3. ENGLAND, EAST ..	89	16	52·7	39·3	45·8	+0·4	1111	− 16	431	− 63	92	+ 2	11·95	304	+41	5·0	+ 0·4	40	1013
4. MIDLAND COUNTIES	86	11	52·8	38·1	45·2	− 0·1	1073	− 71	496	− 26	96	+ 7	13·55	344	+44	4·3	+ 0·2	34	1012
5. ENGLAND, S.E. ..	88	17	53·7	40·4	46·8	+0·3	1193	− 22	318	− 61	95	+ 8	13·63	347	+53	5·1	+ 0·4	40	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	50·5	37·9	44·0	− 0·9	813	−152	448	+32	107	− 1	23·20	589	+64	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	51·0	39·6	45·1	− 0·4	924	−101	360	− 22	97	+ 1	14·72	375	− 1	4·5	+ 0·3	35	1011
8. ENGLAND, S.W. ..	85	13	53·0	40·7	46·6	− 0·1	1112	− 56	268	− 33	103	+ 7	17·99	461	+40	4·8	+ 0·3	38	1013
9. IRELAND, NORTH ..																4·2	+ 0·3	33	1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	54·2	45·0	49·5	+0·6	1413	+41	50	− 55	105	+ 4	16·63	423	+76	5·1	− 0·3	40	1014
MEAN: DISTRICTS 1-10 ..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A.: Supt Climatology Divn.
7th July, 1922.

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15 JUL 1922
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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) | No. 27. | TWENTY-SEVENTH WEEK. SUNDAY, JULY 2ND, TO SATURDAY, JULY 8TH, 1922. | *Price 6d. Net, Post free 7d.* *Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.*

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout the week the weather continued cold and unsettled, with much rain and high winds. The passage of a secondary disturbance across the British Isles on the 3rd was accompanied by thunderstorms at many stations on the east coast of Scotland and heavy local rain along the east coast of England. Owing to the passage of a deep depression, which was first located off the south coast of Ireland, and which moved in a north-easterly direction, heavy rain and gales were reported from many parts of the country on the 5th and 6th. Over 30mm. of rain were reported from several stations. Amongst the heaviest falls occurring on the 5th were 68mm. at Petersfield, 53mm. at Malvern and Buxton, 49mm. at Lancaster, 47mm. at Alnwick. At Crathes a thunderstorm, accompanied by very heavy hail, occurred on the 7th. Considerable damage was done to fruit crops. On the 8th, another deep depression, which came from south-west of Ireland, moved across the British Isles in a north-easterly direction, causing gales on the south-west coast, and strong gales with very rough seas in the English Channel. In general the rainfall associated with this depression was not heavy; a fall of 122mm. between 7h. and 18h. on the 8th was reported by telegraph from Malin Head, but this telegram has not yet been confirmed.

The mean temperature for the week was everywhere below normal, the deficit ranging from —7·2°F. at Crieff to —0·9°F. at Dungeness. The highest temperature observed during the week was 69°F. at Worksop on the 4th and at Cambridge and Camden Square on the 8th.

Solar halos were observed on several days. A brilliant double rainbow with supernumerary bows was observed on the 6th at Raunds.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	11	11	5·1	17	7	3·1	27	13	5·7	23	10	4·6	19	11	5·0	16	13	5·8	18	10	4·3	14	9	4·1
North	10	11	4·9	4	15	6·6	0	—	—	0	—	—	7	15	6·5	7	15	6·7	6	16	7·1	13	13	6·0
West	16	13	5·6	18	12	5·2	21	7	3·2	21	6	2·9	19	13	5·6	24	20	8·9	19	13	5·8	21	13	5·8
East	9	9	4·0	5	8	3·7	5	9	4·2	2	2	1·0	7	15	6·7	4	13	5·8	6	17	7·5	7	9	4·1
Calm (or wind-speed < 4 m.p.h.)	2	—	—	3	—	—	0	—	—	3	—	—	1	—	—	0	—	—	0	—	—	0	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Very Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	—	—	Very Deficient
Rainfall ..	Moderate	Very Heavy	Very Heavy	Very Heavy	Very Heavy	Very Heavy	Moderate	Very Heavy	Very Heavy	—	—	Very Heavy
Sunshine ..	Abundant	Scanty	Scanty	Very Scanty	Very Scanty	Very Scanty	—	Scanty	Very Scanty	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 6 weeks from May 28th, 1922. Warmth ..	1, 1, 4	1, 1, 4	2, 2, 2	2, 2, 2	2, 2, 2	2, 2, 2	1, 1, 4	2, 0, 4	2, 1, 3	—	—	2, 2, 2
Rainfall ..	0, 5, 1	1, 3, 2	1, 3, 2	2, 2, 2	1, 3, 2	2, 2, 2	2, 3, 1	3, 1, 2	2, 1, 3	—	—	2, 3, 1
Sunshine ..	2, 2, 2	1, 3, 2	2, 2, 2	2, 1, 3	3, 0, 3	2, 2, 2	—	3, 0, 3	3, 0, 3	—	—	1, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal				Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from veragen
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																						
t Lerwick	54	57	5th	45	8th	53·0	47·6	50·1	- 1·9	6	1·17	30	+17									
p Deerness, Orkney ..	165	59	2nd	45	4th	54·4	47·1	50·5	- 2·5	6	1·01	26	+12	Deerness ..	56 6·4	+1·9	35	—	—	—	—	—	—
a Islands *t* Stornoway	51	59	8th	39	8th	54·9	43·9	49·0	- 5·1	5	0·72	18	+ 1	Stornoway ..	6·0	+1·1	33	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	56	8th	47	4, 8	54·0	48·4	51·0	—	4	0·43	11	—	Castlebay ..	6·7	—	38	—	—	—	—	—	—
t Wick	81	60	2, 3	40	4, 8	55·3	44·7	49·6	- 4·2	7	0·89	23	+ 8										
a Strathpeffer	125	63	2nd	37	7th	58·9	45·7	51·8	- 4·6	6	0·38	10	- 4										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	60	7th	41	4, 8	56·0	45·7	50·5	- 5·6	5	0·81	21	+ 5										
p Fort William	171	61	2nd	42	8th	57·3	46·1	51·3	- 5·5	7	1·18	30	+ 3										
1. SCOTLAND, E.																							
t Nairn	82	64	2nd	41	8th	58·9	46·4	52·2	- 3·9	5	0·57	15	+ 1	Nairn ..	4·0	—	23	—	—	—	—	—	—
p Gordon Castle	101	66	2nd	42	8th	59·6	46·1	52·4	- 3·8	6	1·46	37	+20	Gordon Castle	4·5	—	25	—	—	—	—	—	—
t Aberdeen	46	64	3rd	41	8th	59·1	47·1	52·7	- 3·2	6	3·11	79	+64	Aberdeen ..	4·6	- 0·8	26	0	34	—	—	51·8	- 0·2
a Balmoral	930	50	2, 3	32	8th	56·3	41·1	48·2	- 6·0	7	1·92	49	+35	Balmoral ..	—	—	—	2	27	—	—	—	—
p Crieff	432	60	2, 3	40	8th	57·6	44·3	50·5	- 7·2	6	1·04	26	+ 8	Crathes ..	4·6	- 0·6	26	0	32	53·6	—	50·2	—
a Dundee	244	64	3rd	38	8th	59·6	44·1	51·3	- 6·4	7	1·40	36	+21	Dundee ..	5·2	—	29	0	33	55·0	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	58	2, 4, 5, 7	47	6, 8	57·3	48·6	52·7	—	6	1·36	25	—	(F. of Forth)	4·7	—	27	0	38	—	—	—	—
p Edinburgh	441	61	7th	45	8th	58·1	47·3	52·3	- 3·9	6	1·84	47	+33	Edinburgh ..	5·2	- 0·3	30	0	39	—	—	—	—
a West Linton	769	59	3, 7	35	8th	57·1	42·6	49·4	- 4·9	7	2·21	56	—	West Linton	—	—	—	0	34	—	—	—	—
a Marchmont	498	61	3, 4	41	4th	57·0	44·9	50·5	- 5·5	7	2·77	70	+53	Marchmont ..	4·3	- 1·2	25	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	62	2nd	38	5th	58.1	44·1	50·6	—	6	1·05	27	—	Ford (Argyll)	—	—	—	0	35	56·5	—	53·1	—
t Renfrew	49	—	—	43	8th	—	47·4	—	—	5	0·61	15	—	Renfrew ..	4·7	—	27	0	34	—	—	—	—
p Rothesay	200	59	2, 7	45	7th	57.6	47·1	52·0	- 5·0	7	0·73	19	- 1	Rothesay ..	5·9	—	34	0	43	56·7	—	53·0	- 1·1
a Kilmarnock	90	63	4th	46	8th	60·3	49·1	54·3	- 2·2	6	0.64	16	0	Kilmarnock ..	4·8	—	28	—	—	56·4	—	52·9	—
a Colmonell	170	62	5th	47	7th	59·7	49·4	54·2	- 1·7	7	0·77	20	+ 4	Colmonell ..	—	—	—	0	45	—	—	—	—
p Dumfries	160	60	2-4	47	6-8	58·1	48·4	52·9	- 5·4	7	0·90	23	+ 8	Dumfries ..	3·5	—	20	0	42	55·5	- 3·9	53·0	- 3·4
t Eskdalemuir	794	59	3rd	38	8th	55·6	43·7	49·2	—	7	2·19	55	—	Eskdalemuir	2·6	—	15	0	34	—	—	—	—
b, I. OF MAN *h* Douglas	284	61	3rd	47	5-7	56·7	48·4	52·3	- 4·5	7	1·26	32	+17	Douglas ..	4·8	- 2·2	28	0	45	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	68	3rd	41	8th	62·8	46·4	54·0	- 2·9	4	3·08	78	+64	Cockle Park ..	5 1	- 0·9	30	1	26	54·0	- 2·7	52·9	- 0·8
t Tynemouth	118	66	3rd	46	8th	61·4	49·1	54·8	- 2·1	6	2·30	59	+47	Tynemouth ..	—	—	—	0	37	—	—	—	—
p Durham	336	64	3rd	41	8th	60·1	46·0	52·6	- 5·2	7	2·09	53	+40	Durham ..	4·6	- 1·3	27	1	29	—	—	—	—
a North .. *p* Rounton	249	65	4, 5	40	8th	61·3	46·1	53·2	- 3·9	5	1·79	45	+30	Rounton ..	—	—	—	0	31	56·4	—	—	—
a West Witton	605	63	4th	42	8th	58·9	47·6	52·9	—	7	2·81	71	—	West Witton ..	—	—	—	0	37	55·1	—	52·0	—
h Scarborough	118	66	4th	46	7th	62·4	49·7	55·6	- 2·6	6	1·61	41	+29	Scarborough †	5·2	- 1·0	31	—	—	—	—	57·0	—
p York	56	67	4th	46	7, 8	62·0	48·6	54·8	- 4·9	7	2·46	62	+49	York ..	3·4	- 2·6	20	—	—	55 7	- 2 6	53·9	- 0 9
t Spurn Head	26	67	4th	49	3, 7	63·4	50·4	56·5	- 2·2	7	1·93	49	+40	Spurn Head ..	3·5	—	21	—	—	—	—	—	—
b, South .. *a* Lincoln	58	68	4th	45	7, 8	64·1	48·4	55·7	- 4·7	7	2·20	56	+44	Lincoln ..	—	—	—	0	42	56·4	- 3·1	55·5	- 0·2
t Cranwell	237	68	4th	45	8th	62·9	48·3	55·1	- 4·8	7	2·50	64	+52	Cranwell ..	4·2	- 2·9	25	0	37	—	—	—	—
														Skegness ..	5 2	- 2·3	31	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	66	6, 8	46	7th	64·4	49·7	56·5	- 2·4	7	0·78	20	+ 9	Cromer ..	4·5	- 2·4	27	—	—	—	—	—	—
a Little Massingham ..	277	67	8th	46	7th	63·0	48·9	55·5	- 3·6	6	1·57	40	+28	Lit Massingham	4·7	- 2 0	28	—	—	—	—	—	—
t Yarmouth	13	66	6th	48	7th	63·9	51·1	57·1	- 2·3	6	1·01	26	+16	Yarmouth ..	4·1	—	25	0	43	58·6	- 3·3	57·1	- 1 2
a Norwich	93	68	8th	47	7th	64·9	50·3	57·1	- 3·0	6	1·12	28	+16	Norwich ..	4·1	—	25	0	44	59·5	—	—	—
a Geldeston	37	68	8th	46	7th	65·2	50·4	57·3	- 2·4	6	0·81	21	+11	Geldeston ..	4 1	- 3·1	25	—	—	—	—	—	—
p Cambridge	41	69	8th	45	4th	66·0	49·3	57·1	- 3·6	7	1·24	31	+21	Cambridge ..	4·0	- 3·0	24	0	39	59·1	- 2·2	57·0	- 0·7
t Clacton-on-Sea ..	54	66	3rd	50	4, 7	63·7	53·0	58·0	- 2·1	7	0·57	15	+ 6	Clacton-on-Sea	4·3	- 3·2	26	0	46	58·3	- 2·0	57·2	- 0·8
a Rothamsted	420	65	3, 8	43	4, 7	61·9	48·1	54·5	- 5·1	6	2·02	51	+40	Rothamsted	3·7	- 3·3	22	0	32	56·6	—	—	—
p Tottenham	51	67	3rd	50	4, 7	63·0	53·0	57·7	—	7	1·86	47	—	Tottenham ..	3·7	—	23	—	—	—	—	—	—
														Southend ..	4·2	—	26	0	45	59·4	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	64	4th	44	8th	50·6	46·9	53·3	- 4·3	7	2·83	72	+59	Harrogate ..	4 3	- 2·3	26	0	39	54 1	- 2·0	53·7	- 0·6
a, North .. *p* Sheffield	613	66	4th	47	2, 7, 8	61·3	48·3	54·4	—	7	2·40	61	—	Sheffield ..	4·5	- 1·9	27	0	42	55·5	- 1·9	53·4	- 0·1
p Buxton	987	62	4th	43	8th	57·9	45·4	51·2	- 5·3	7	3·35	85	+67	Buxton ..	3·7	—	22	0	39	54·0	- 2·9	53 4	+0·3
a Worksop	56	69	4th	45	7th	63·7	7·9	55·3	- 4·2	7	1·93	49	+39	Worksop ..	3,3	- 2·5	20	0	36	56·2	—	54·9	—
t Nottingham	82	65	3, 4	45	7th	61·9	48·6	54·8	- 5·2	7	2·52	64	+53	Nottingham ..	3·1	- 3·1	19	0	40	56·0	- 3·3	55·7	- 0 5
b, East .. *p* Birmingham, Edgbsn..	525	65	4th	45	3, 7	61·0	47·4	53.7	- 6·0	7	2·49	63	+52	Birmingham	2·8	- 2·5	17	0	41	52·7	- 1·8	51·7	+0 4
a Raunds	213	66	3, 4	45	4th	64·6	48·7	56·1	- 4·5	6	1·96	50	+39	Raunds ..	4·3	—	26	0	42	57·7	—	—	—
p Oxford	208	65	3rd	46	4th	62·3	49·6	55·5	- 5·4	7	1·83	46	+35	Oxford ..	3·2	- 3·7	20	0	41	—	—	—	—
														Malvern.. ..	3·4	—	21	0	41	57·4	—	57·1	—
a Cheadle (N. Staffs.) ...	646	64	4th	44	7th	59·9	46·4	52·7	- 5·4	7	3·37	86	+72	Cheadle	—	—	—	0	33	—	—	—	—
s, West .. *p* Tenbury	313	64	4th	44	3rd	61·0	47·7	53·9	- 5·4	7	1·81	46	+37	Tenbury ..	—	—	—	0	39	56·2	—	—	—
a Hereford	291	65	3, 4	45	7th	61·0	48·9	54·5	- 5·5	7	2·04	52	+42	Ross on Wye	3·0	—	18	0	43	57·2	—	57·9	—
a Clifton	225	64	4th	49	7th	60·6	51·0	55·5	- 6·4	7	2·37	60	+47	Clifton ..	3·5	—	21	0	49	—	—	—	—
5. ENGLAND, S.E.																							
														Worthing ..	4·1	- 3·9	25	0	45	60·0	- 2·6	57·3	- 1·0
a Marlborough	424	64	3rd	44	4th	60·9	49·1	54·6	- 3·9	7	2·76	70	+59	Marlborough	2·5	- 3·9	15	0	38	57 3	—	55·6	—
a Porton	340	65	3rd	43	7th	61·8	47·7	54·3	—	7	2·36	60	—	Porton	—	—	—	0	33	57·6	—	—	—
a Wisley, Surrey.. ..	160	67	3rd	45	4th	63.4	50·0	56·2	- 4·3	7	1·44	37	+27	Wisley, Surrey	3·9	- 3·3	24	0	35	59·5	- 1·5	57·3	+0·1
h Tunbridge Wells ..	354	67	8th	47	7th	62·1	50·6	56·0	- 4·2	7	1·88	48	+37	Tunbridge Wells	4·3	- 3·0	26	0	36	58·3	—	56·5	—
h Margate..	51	68	8th	49	7th	65·0	52·7	58·4	- 2·4	4	0·52	13	+ 3	Margate ..	4·0	- 2 9	24	0	46	61·1	- 0·8	60·4	+1·7
t Dungeness	21	63	2-5, 8	52	7th	62·7	55·7	59·0	- 0·9	5	0·83	21	+12	Folkestone ..	5·0	—	30	0	44	—	—	58·1	—
h St. Leonards	178	65	8th	50	7th	61·9	53.8	57·6	- 2·6	6	1·06	27	+16	St. Leonards..	3·8	- 4·2	23	0	44	61·4	—	—	—
p Southampton	64	66	3rd	48	7th	62·3	51·7	56·6	- 5·3	7	3·03	77	+66	Southampton	3·8	- 3·6	23	0	41	—	—	—	—
a Ventnor..	59	63	3rd	53	4, 7	60·7	53·9	57·1	- 3·7	5	1·71	43	+33	Ventnor ..	3·8	- 3·9	23	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	67	3, 8	47	4th	64·3	51·8	57·6	- 3·9	7	1·70	43	+32	Richmond	3·4	- 3·5	20	0	36	57·7	- 2·9	56·1	- 0 4
a Westminster	27	68	8th	49	4th	65·0	52·4	58·3	- 3·7	7	2·15	55	+44	Westminster	3·2	- 2·9	20	0	44	—	—	—	—
ac Greenwich	149	70	3rd	45	4th	66·3	50·1	57·6	- 4·5	6	1·49	38	+27	Greenwich ..	4·2	- 2·7	26	0	37	—	—	—	—
a Hampstead	450	67	8th	47	7th	62·3	49.6	55·5	—	7	1·94	49	—	Hampstead ..	3·3	—	20	0	38	—	—	—	—
a Camden Square ..	110	69	8th	48	7th	64·4	51·4	57·5	- 5·5	7	2·49	63	+51	Camden Square	—	—	—	0	45	58·2	—	57·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	59	4th	42	2nd	56·6	46·1	51·0	- 6·3	7	1.89	48	+33	Aspatria	4·4	- 2·1	25	0	39	53·9	- 4·1	52·0	- 1·3
p Newton Rigg	559	—	—	47	6th	—	48·7	—	—	7	2·31	59	+46	Newton Rigg	3·6	- 2·9	21	0	43	—	—	—	—
p Stonyhurst	375	63	4th	44	8th	59·1	48·4	53.4	- 4·5	6	2·84	72	+55	Stonyhurst ..	4·0	- 2·2	24	0	40	—	—	—	—
h Blackpool	66	63	4th	44	8th	59·6	49·7	54 3	- 4·1	7	2·65	67	+54	Blackpool ..	5·0	- 2·4	30	0	39	57 1	—	53·7	—
h Southport	37	64	4th	45	8th	59·3	49·8	54·2	- 4·4	6	2·43	62	+49	Southport ..	5·0	- 2·2	30	0	42	59·2	- 2·8	58·2	- 0·7
														Hoylake ..	4·8	- 2·0	28	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	64	4th	49	6, 8	59·4	49·9	54·3	- 4·9	6	2·15	55	+43	Liverpool	4·9	—	29	0	43	—	—	—	—
a Hawarden Bridge ..	22	65	4th	48	2th	61·4	50·3	55·5	- 4·3	7	1.74	44	+34	Manchester City	3·6	- 1·7	21	0	46	56·5	- 2·6	56·9	- 0·2
p Manchester (Whit. Pk.)	125	65	3, 4, 7	46	8th	61·9	49·4	55·2	- 4·8	6	2.60	66	+51	„ Whit. Pk.	3·6	- 1·8	21	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	62	3, 4	42	8th	60·1	46·9	53·0	- 6·3	6	2·01	51	+40	Llandudno ..	4.9	- 2·1	29	—	—	—	—	—	—
t Holyhead	15	61	8th	48	6th	59·0	50·6	54·5	- 3·2	7	1·89	48	+36	Holyhead ..	6·1	—	36	0	47	—	—	—	—
a Aberdovey	60	60	3rd	50	3rd	58·4	51·7	54·8	—	6	1·78	45	—	Aberdovey ..	3·8	- 2·8	23	0	42	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	61	8th	50	3rd	58·7	51·7	55·0	—	6	1·59	40	—	Aberystwyth	3·3	- 3·4	20	—	—	—	—	—	—
a Rhayader	757	60	4th	44	3rd	57·1	47·1	51 8	—	7	3·25	83	—	Rhayader ..	3·6	—	22	0	34	—	—	—	—
i Pembroke	149	58	4th	48	6th	56·3	50·1	53·0	- 4·7	7	1·82	46	+35	Pembroke ..	4·1	- 3·4	25	—	—	—	—	—	—
p Cardiff	202	62	3, 4	48	7th	59·7	51·0	55·1	- 4·5	7	2·64	67	+54	Cardiff ..	3·5	—	21	0	44	57·5	- 3·3	56·2	- 0·6
b, ENGLAND, S.W.																							
h Bath	66	65	4th	47	4th	61·6	51·3	56·1	- 4·2	7	2·60	66	+55	Bath	2·8	- 4·5	17	—	—	59·3	—	57·8	—
a Shaftesbury	722	62	3rd	44	7th	59·3	47·9	53·2	- 5·8	6	1·74	44	+33	Shaftesbury ..	—	—	—	—	—	55·6	—	55·8	—
a Arlington	613	61	4th	46	7th	58·3	49·4	53·5	- 4·4	7	2·25	57	+40										
h Newquay	190	62	4th	48	7th	58·5	51·3	54·7	- 4·4	6	1·69	43	+33	Newquay ..	4·4	- 3·1	27	—	—	58·7	—	56·4	—
a Cullompton	202	68	4th	45	7th	62·4	49·6	55·6	- 4·3	7	1·87	47	+35	Cullompton ..	3·0	- 3·7	18	0	41	59·1	—	—	—
i Portland Bill	19	60	3rd	52	5, 7	58·7	52·7	55·5	- 3·8	5	1·80	46	+39	Weymouth ..	4·3	—	26	—	—	—	—	—	—
p Plymouth	116	65	3rd	50	8th	61·0	52·0	56·2	- 4·1	7	1·53	39	+27	Plymouth ..	4·2	- 3·4	26	0	46	58·4	- 4·1	57·0	—
h Falmouth	167	63	3, 4	44	5th	59·6	50·4	54·7	- 4·9	7	2·70	69	+57	Falmouth ..	4·3	- 3·7	26	0	43	59·8	—	60·0	—
9. IRELAND, N.																							
i Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	—	—	—	—	—	—	—	—	—
p Armagh	204	64	3rd	45	7th	59·3	47·9	53·2	- 4·4	7	1·46	37	+25	Armagh ..	3·6	- 1·5	21	0	37	56·9	- 2·1	54·5	- 0·7
b, East .. *i* Donaghadee	35	62	2, 3	45	5, 7	58·7	47·9	52·9	- 4·0	7	1·51	38	+26										
														Trinity Coll.	—	—	—	0	41	57·5	- 2·2	55·2	- 0·9
														Phœnix Park	5·9	+0·1	35	0	43	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	65	4th	47	6th	60·1	50·1	54·8	- 4·8	7	1·21	31	+20	Dublin City ..	—	—	—	0	44	—	—	—	—
i Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Kilkenny	195	64	3, 4	43	5th	61·4	47·6	54·0	- 4·6	7	0·98	25	+12										
a Waterford	137	64	3rd	45	3rd	60 4	47·7	53·6	- 5·6	5	1·50	38	+24										
p Seskin, Carrick-on-Suir	542	63	3, 4	43	6th	59·6	46·4	52·5	—	5	1·50	38	—	Seskin ..	5·3	—	32	0	39	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
i Cahirciveen (Val. Obs.)	30	60	5th	45	5th	57·4	48·7	52·8	- 5·4	—	—	—	—	Cahirciveen ..	4·5	- 1·1	27	0	41	—	—	—	—
a Killarney	174	63	3, 4, 7	47	6, 7	60·9	49·4	54·8	- 3·8	7	2·30	58	+43	Ballinacurra	4·7	- 1·5	28	—	—	—	—	—	—
i Roche's Point	32	62	3rd	48	6, 7	59·0	50·1	54·2	- 4·3	7	1·20	31	+18										
11. ENGLISH CHANNEL.																							
i Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
i Jersey, St. Aubins ..	25	64	2-4	54	7th	62·7	55·9	59·1	- 2·1	4	2·16	55	+43	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	64	2, 3, 7	50	7th	62·7	53·4	57·7	- 3·1	6	1·99	51	+39	Guernsey ..	5·3	- 3·3	33	0	47	62·3	+0·1	60 0	+0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 8th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.		Highest Gust. Speed.		Time.		
													m.p.h.	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o									
**Deerness (Cup Anr.) ..	188	16	5	—	0	1, 3, 6, 7	25	74	66	3	0	270	31	14	7	3	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	10	93	65	0	320	16	7	6	14	42	19	6	14	50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	6	6	29	108	25	0	330	31	14	6	14	—	—	—	—	—
Edinburgh	485	39	31	—	0	6	4	83	68	13	0	280	26	12	6	18	44	20	6	18	40
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	2, 4, 6	26	82	42	18	0	10	36	16	6	8	56	25	6	8	5
Paisley	188	81	15	—	0	6	5	49	106	8	0	310	28	13	6	15	51	23	6	17	50
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	6	5	26	82	13	42	340	31	14	6	9	57	25	6	10	5
South Shields	72	61	12	—	0	2, 6	16	75	63	14	0	290	33	15	6	18	52	23	6	8	15
Spurn Head	67	41	‡	—	0	5, 6, 8	21	87	55	5	0	280	36	16	6	14	49	22	5	22	20
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	3, 5, 6, 8	27	68	73	0	0	180	38	17	6	4	55	25	6	9	10
Shoeburyness	103	90	‡	6	4	2 to 6, 8	40	88	33	3	0	210	48	21	6	4	62	28	6	2	50
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	6, 8	4	71	93	0	0	230	26	12	6	10	43	19	6	9	35
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	6, 8	15	113	40	0	0	—	34	15	6	2	54	24	6	2	20
Larkhill, S'y Plain ..	513	63	43	—	0	2 to 6, 8	38	94	21	0	15	250	38	17	6	10	50	22	6	10	25
Richmond (Kew Obs.) ..	82	65	22	—	0	6	1	67	86	14	0	200	25	11	6	3	52	23	6	3	25
Petersfield..	811	42	‡	—	0	6	1	77	87	3	0	210	25	11	6	3	44	20	6	2	25
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	6	8	2, 5, 6, 7	19	91	50	0	0	300	53	24	6	16	—	—	—	—	—
Southport	80	62	48	6	7	2, 3, 4, 6, 7	20	98	40	3	0	90	44	20	6	15	55	25	6	15	15
Holyhead	60	40	‡	—	0	2, 4, 5, 6, 8	41	105	18	4	0	340	38	17	6	6	50	22	6	9	40
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	8	9	2, 4 to 6, 8	43	97	14	5	0	220	55	25	8	14	72	32	8	14	25
Plymouth	185	88	2	8	4	2 to 6, 8	41	88	35	0	0	—	43	19	8	16	58	26	8	16	5
Lyme Regis	556	61	‡	—	0	—	0	27	87	45	9	—	23	10	8	10	34	15	8	10	45
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	8	1	2, 3, 5, 6, 8	29	91	47	0	0	110	40	18	8	9	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	8	2	2, 8	16	66	71	13	0	350	40	18	8	9	61	27	8	9	15
Weaver Pt.	160	30	‡‡‡‡	8	2	6, 8	21	72	61	6	6	—	39	17	8	16	61	27	8	17	45
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	6,8	22	2, 5, 6, 8,	24	99	21	1	1	270	58	26	8	17	—	—	—	—	—

In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees!

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. † Also from 290° on 26th at 1 h; 290° on 29th at 9 h; 200° on 1st a 18 h.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVENTH WEEK of 1922—July 2nd to July 8th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	63	37	55·9	45·6	50·4	− 4·2	59	− 27	0	0	6	+ 2	0·86	22	+ 3	6·2	+1·9	34	1001
Eastern.																			
1. SCOTLAND, EAST ..	66	32	57·9	45·1	51·1	− 5·2	64	− 34	0	0	6	+ 2	1·81	46	+30	4·7	− 0·6	27	1001
2. ENGLAND, N.E. ..	68	40	62·3	48·1	54·7	− 3·5	89	− 24	0	0	6	+ 3	2·22	56	+43	4·6	− 1·9	27	1004
3. ENGLAND, EAST ..	69	43	64·0	50·9	57·0	− 2·9	105	− 20	0	0	6	+ 3	1·22	31	+20	4·1	− 2·9	25	1008
4. MIDLAND COUNTIES	69	44	61·7	48·3	54·5	− 5·0	87	− 35	0	0	7	+ 4	2·31	59	+48	3·5	− 3·1	21	1006
5. ENGLAND, S.E. ..	68	43	62·5	51·7	56·7	− 3·8	103	− 27	0	0	6	+ 3	1·73	44	+33	3·9	− 3·6	24	1009
Western.																			
6. SCOTLAND, WEST ..	64	38	58·5	47·7	52·7	− 4·3	75	− 30	0	0	6	+ 2	0·85	22	+ 5	—	—	—	1002
7. ENGLAND, N.W. ..	65	42	59·6	48·9	53·9	− 4·4	83	− 31	0	0	7	+ 4	2·22	56	+43	4·3	− 2·1	26	1003
8. ENGLAND, S.W. ..	68	44	59·4	50·1	54·5	− 4·7	87	− 33	0	0	7	+ 4	2·22	56	+43	3·7	− 3·4	23	1006
9. IRELAND, NORTH ..																			1002
10. IRELAND, SOUTH ..																			1005
11. ENGLISH CHANNEL..	64	49	61·5	53·7	57·4	− 2·9	108	− 20	0	0	5	+ 2	1·91	49	+37	5·1	− 3·2	31	1009
MEAN: DISTRICTS 1-10																			1005

THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, May 28th to July 8th, 1922.

0. SCOTLAND, NORTH ..	76	37	57·0	45·4	50·8	− 1·8	370	− 79	0	− 2	29	+ 6	3·46	88	− 10	4·9	− 0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·8	44·8	52·3	− 1·7	431	− 73	0	− 1	22	+ 2	3·70	94	+15	6·0	+ 0·1	34	1011
2. ENGLAND, N.E. ..	84	38	65·2	48·1	56·1	+0·6	590	+23	0	0	18	0	3·51	89	+18	7·0	+ 0·7	42	1014
3. ENGLAND, EAST ..	83	39	66·0	49·9	57·5	+0·1	649	+ 3	0	0	19	+ 1	2·77	71	+ 3	7·2	+ 0·3	44	1015
4. MIDLAND COUNTIES	85	34	66·7	47·9	56·7	− 0·4	619	− 15	0	0	18	0	3.62	93	+18	6·7	+ 0·4	40	1015
5. ENGLAND, S.E. ..	85	33	66·5	50·4	57·9	− 0·1	668	− 6	0	0	19	+ 2	3·29	84	+18	7·3	0·0	45	1016
Western.																			
6. SCOTLAND, WEST ..	82	35	61·1	46·8	53·5	− 1·6	481	− 75	0	0	25	+ 3	4·10	104	+ 2	—	—	—	1013
7. ENGLAND, N.W. ..	86	36	62·6	48·6	55·2	− 1·0	553	− 44	0	0	22	+ 3	4·35	110	+26	6·5	0·0	39	1014
8. ENGLAND, S.W. ..	85	33	64·3	49·7	56·5	− 0·5	609	− 21	0	0	22	+ 3	4·04	102	+21	6·9	0·0	42	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	80	45	63·3	52·8	57·7	− 0·3	659	− 15	0	0	16	− 2	3·58	92	+26	7·4	− 0·6	45	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 27 Weeks, January 1st to July 8th, 1922.

0. SCOTLAND, NORTH ..	76	18	48·2	37·6	42·7	− 0·8	624	−207	489	− 50	129	+ 6	23·35	594	− 19	3·5	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	49·0	36·6	42·6	− 1·1	733	−218	627	+10	113	+ 8	15·40	393	+34	3·9	− 0·2	30	1009
2. ENGLAND, N.E. ..	84	12	51·6	38·6	44·9	− 0·1	1051	− 11	509	+37	100	+ 5	12·91	329	+47	4·5	+ 0·1	35	1011
3. ENGLAND, EAST ..	89	16	53·1	39·7	46·2	+0·3	1216	− 36	431	− 63	98	+ 5	13·17	335	+61	5·0	+ 0·3	39	1013
4. MIDLAND COUNTIES	86	11	53·1	38·4	45·5	− 0·3	1160	−106	496	− 26	103	+11	15·86	403	+92	4·2	0·0	33	1012
5. ENGLAND, S.E. ..	88	17	54·0	40·8	47·2	+0·2	1296	− 49	318	− 61	101	+11	15·36	391	+86	5·0	+ 0·2	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	50·8	38·3	44·3	− 1·1	888	−182	448	+32	113	+ 1	24·05	611	+69	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	51·3	39·9	45·4	− 0·6	1007	−132	360	− 22	104	+ 5	16·94	431	+42	4·5	+ 0·2	35	1011
8. ENGLAND, S.W. ..	85	13	53·2	41·0	46·9	− 0·2	1199	− 89	268	− 33	110	+11	20·21	517	+83	4·8	+ 0·1	37	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	54·5	45·4	49·8	+0·4	1521	+21	50	− 55	110	+ 6	18·54	472	+113	5·1	− 0·4	40	1013
MEAN: DISTRICTS 1-10 ..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
14th July, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

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METEOROLOGICAL OFFICE
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 28.

TWENTY-EIGHTH WEEK.
SUNDAY, JULY 9TH, TO SATURDAY, JULY 15TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week there was a deep depression over north-east England, and on the south coast the wind was very strong, reaching gale force at Portland and Dungeness. On the 10th the depression moved away north-eastwards, and anticyclonic conditions set in over the British Isles. For three days there was much sunshine, and at several stations the maximum temperature on the 12th exceeded 70°F. The highest temperature observed was 75°F., which occurred at Raunds, Cambridge, Westminster and Wisley. The lowest observed temperatures had occurred at most stations on the night of the 10th-11th, when clear skies allowed of unchecked radiation. Weather conditions began to deteriorate on the 13th, when a secondary to a depression with its centre situated near the Hebrides, crossed the south of England. On the 14th, the secondary developed a definite centre and moved eastwards. Thunder occurred at Blackpool, Southport and Cromer on the 13th, and at Oxford and Marlborough on the 14th. At Ross-on-Wye a thunderstorm, accompanied by heavy rain and hail, occurred on the 14th; a large part of the town was flooded. Amongst the heaviest rainfalls recorded were:—53mm. at Norwich, 50mm. at South Farnborough, 30mm. at Cromer and 34mm. at Gorleston on the 14th, 37mm. at Gordon Castle on the 9th. The rainfall for the week was above the normal along the east coast of England and Scotland, and in south-east England. The mean temperature for the week was everywhere below normal, the deficit ranging from 7·2°F. at Llandudno to 1·1°F. at Stornoway. Sunshine was deficient at most stations. Solar halos were observed both at Oxford and at Ross-on-Wye on the 10th, as also on the 12th, 13th and 15th.

NOTE.—The rainfall between 7h. and 18h. on the 8th, reported by telegraph from Malin Head (*Weekly Weather Report*, p. 105), should have been 12mm., not 122mm.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	16	9	4·0	9	6	2·8	15	12	5·3	15	6	2·6	15	6	2·9	13	7	3·1	16	7	3·1	12	7	3·0
North	9	13	5·8	8	6	2·5	4	6	2·6	4	2	1·1	11	8	3·5	11	10	4·5	7	6	2·7	14	6	2·7
West	8	6	2·7	21	8	3·4	11	7	3·2	16	6	2·5	26	9	3·9	19	13	5·8	16	12	5·2	20	9	4·1
East	17	7	3·1	2	2	1·0	7	5	2·2	1	4	1·7	1	4	1·9	5	5	2·2	8	3	1·4	5	3	1·2
Calm (or wind-speed < 4 m.p.h.)	2	—	—	4	—	—	6	—	—	9	—	—	1	—	—	2	—	—	2	—	—	2	—	—
No record ..	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	—	—	Very Deficient
	Rainfall ..	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Light	Moderate	Moderate	—	—	Moderate
	Sunshine ..	Abundant	Scanty	Scanty	Scanty	Moderate	Scanty	—	Moderate	Moderate	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 7 weeks from May 28th, 1922.	Warmth ..	1, 1, 5	1, 1, 5	2, 2, 3	2, 2, 3	2, 2, 3	2, 2, 3	1, 1, 5	2, 0, 5	2, 1, 4	—	—	2, 2, 3
	Rainfall ..	0, 6, 1	1, 4, 2	2, 3, 2	3, 2, 2	1, 4, 2	3, 2, 2	2, 3, 2	3, 2, 2	2, 2, 3	—	—	2, 4, 1
	Sunshine ..	3, 2, 2	1, 3, 3	2, 2, 3	2, 1, 4	3, 1, 3	2, 2, 3	—	3, 1, 3	3, 1, 3	—	—	1, 2, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day. Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from veragea
	Ft.	°F.		°F		°F.	°F.	°F .	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	57	15th	42	11th	52·7	47·3	49·8	- 1·8	6	1·35	34	+23										
p Deerness, Orkney	165	56	11, 12, 14	44	11th	54·3	47·7	50·8	- 1·7	5	1·36	35	+22	Deerness	2·6	- 2·2	15	—	—	—	—	—	—
a Islands — *t* Stornoway	51	61	11th	42	11th	58·0	47 6	52·4	- 1·1	5	0·17	4	- 11	Stornoway	7·6	+2·5	43	—	—	—	—	—	—
t Castlebay, Barra I.	37	57	9th	48	10, 11, 15	55·1	49·3	52·0	—	6	0·28	7	—	Castlebay	9·0	—	52	—	—	—	—	—	—
t Wick	81	58	11th	40	11th	55·7	47·6	51·4	- 2·0	4	1·42	36	+23										
a Strathpeffer	125	67	11th	41	14th	62·0	47·6	54·3	- 1·4	3	0·42	11	- 2										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	63	13th	37	15th	59·7	47·1	53·0	- 2·5	4	0·19	5	- 9										
p Fort William	171	69	15th	38	15th	61·7	46·9	53·8	- 2·2	5	0·43	11	- 13										
1. SCOTLAND, E.																							
t Nairn	82	68	12th	41	15th	61·4	47·9	54·2	- 2·1	4	1·27	32	+17	Nairn	4·6	—	27	—	—	—	—	—	—
p Gordon Castle	101	64	12th	43	15th	60·4	48 0	53·8	- 2·5	4	1·66	42	+24	Gordon Castle	3·9	—	22	—	—	—	—	—	—
t Aberdeen	46	63	15th	49	10, 11, 15	59·3	50·1	54·4	- 1·8	4	0·57	14	- 2	Aberdeen	3·1	- 2·5	18	0	42	—	—	51·8	- 0·8
a Balmoral	930	60	12, 14, 15	38	12, 15	58·0	43·0	50·0	- 4·3	5	0·85	22	+ 7	Balmoral	—	—	—	0	31	—	—	—	—
p Crieff	432	64	15th	39	15th	59·9	45·4	52·2	- 5·6	4	0·58	15	- 2	Crathes	3·4	- 2·0	20	0	38	53·9	—	50·8	—
a Dundee	244	57	15th	42	12th	62 6	46·4	53·9	- 4·1	5	0·41	10	- 6	Dundee	4·1	—	24	0	36	56·3	—	—	—
														Inchkeith (F. of Forth)	3·7	—	21	0	43	—	—	—	—
t Inchkeith (F. of Forth)	190	63	14th	46	11, 15	59·0	48·3	53·3	—	4	0·72	18	—										
p Edinburgh	441	64	14th	46	11, 15	60 4	47·9	53·7	- 2·8	4	1·13	29	+14	Edinburgh	4 3	- 1·5	25	0	39	—	—	—	—
a West Linton	769	63	13th	33	11, 15	59 9	40·1	49·3	- 5·2	5	0·56	14	—	West Linton	—	—	—	1	30	—	—	—	—
a Marchmont	498	65	12th	41	11th	61·6	47·3	54·0	- 2·3	4	1·16	29	+11	Marchmont	4·5	- 1·3	26	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	63	11th	41	10, 13	60·3	46·3	52·8	—	3	0·52	13	—	Ford (Argyll)	—	—	—	0	38	57·1	—	54·0	—
t Renfrew	49	—	—	35	15th	—	46·0	—	—	4	0·30	8	—	Renfrew	5·3	—	31	1	29	—	—	—	—
p Rothesay	200	62	15th	45	10th	59.0	47·3	52·7	- 4·4	5	0·32	8	- 17	Rothesay	6·7	—	39	0	41	56·6	—	54·0	- 0·7
a Kilmarnock	90	69	11th	42	15th	63·3	47·9	55·1	- 1·5	4	0.22	6	- 14	Kilmarnock	6·1	—	36	—	—	56·8	—	53·3	—
a Colmonell	170	65	11th	42	15th	61·0	48·3	54·2	- 1·8	3	0·06	2	- 18	Colmonell	—	—	—	0	37	—	—	—	—
p Dumfries	160	64	14th	40	15th	60·9	45·9	52·9	- 5·5	4	0·49	13	- 6	Dumfries	5·2	—	31	0	34	55·2	- 5·1	53·0	- 4 1
t Eskdalemuir	794	63	14th	33	12th	59·4	42·1	50·2	—	3	0·59	15	—	Eskdalemuir	4·1	—	24	3	28	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	15th	46	10, 11	58·1	48·3	52·9	- 4·1	2	0·28	7	- 12	Douglas	7·4	+0·3	44	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	72	12th	41	12th	63·4	48·9	55·7	- 1·9	5	1·27	32	+18	Cockle Park	3 6	- 2·0	21	1	30	54·6	- 3·1	52·8	- 1·5
t Tynemouth	118	64	11, 12	45	12th	60·3	49 3	54·4	- 3·2	5	1·31	33	+21	Tynemouth	—	—	—	0	42	—	—	—	—
a North — *p* Durham	336	67	12th	39	12th	62·9	46 6	54·2	- 4·3	5	1·50	38	+25	Durham	3·9	- 1·6	23	1	30	—	—	—	—
p Rounton	249	69	12th	44	12th	62·7	48·3	55·0	- 2·8	5	0·89	23	+ 8	Rounton	—	—	—	0	35	57·1	—	—	—
a West Witton	605	68	15th	40	12th	63·6	47·4	54·9	—	5	0·63	16	—	West Witton	—	—	—	0	38	55·5	—	52·0	—
h Scarborough	118	70	12th	49	11th	61·3	51·6	56·1	- 2·9	4	0·72	18	+ 6	Scarborough †	3·4	- 2·4	21	—	—	—	—	56·9	—
p York	56	69	12th	45	12, 15	63·7	49·1	55·9	- 4·4	5	0·93	24	+11	York	3·7	- 2·1	22	—	—	56·0	- 2 9	54 0	- 1·4
t Spurn Head	26	73	12th	50	10, 11	62·9	52·0	57·1	- 2·4	3	0·43	11	+ 2	Spurn Head	4·4	—	27	—	—	—	—	—	—
b, South — *a* Lincoln	58	73	12th	45	11, 15	65·3	49·6	56·9	- 4·1	4	0·47	12	+ 1	Lincoln	—	—	—	0	43	57·4	- 2·7	55·5	- 0·6
t Cranwell	237	72	12th	43	11th	63·9	47·9	55·3	- 5·3	4	0·16	4	- 8	Cranwell	6·2	- 0·6	37	0	34	—	—	—	—
														Skegness	6 1	- 1·0	37	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	74	12th	47	10th	64 3	50·7	57·0	- 2·5	3	1·40	35	+21	Cromer	5·3	- 1·5	32	—	—	—	—	—	—
a Little Massingham	277	73	12th	46	10th	63·0	49·9	56 0	- 3·6	3	0·58	15	0	Lit Massingham	5·2	- 1·2	32	—	—	—	—	—	—
t Yarmouth	13	68	13th	49	10th	63 0	52·4	57·3	- 2·8	3	1·80	46	+33	Yarmouth	6·1	—	37	0	39	60·1	- 2·6	57·3	- 1 4
a Norwich	93	71	12th	44	11th	64·9	49·6	56·7	- 4·0	3	2·92	74	+59	Norwich	5·1	—	31	0	38	60·5	—	—	—
a Geldeston	37	70	12th	44	11, 12	64 9	49·9	56·9	- 3 4	3	0·95	24	+11	Geldeston	5 7	- 1·2	35	—	—	—	—	—	—
p Cambridge	41	75	12th	45	11th	66·1	49·0	57·0	- 4·2	2	0·37	9	- 3	Cambridge	5·3	- 1·4	33	0	40	58·8	- 3·2	57 2	- 1·0
t Clacton-on-Sea	54	66	15th	49	12th	63 6	52·6	57·7	- 3·1	2	0·37	9	- 2	Clacton-on-Sea	7·1	0·0	44	0	45	59·7	- 1·2	57·4	- 1·1
a Rothamsted	420	70	12th	45	11, 12	63·3	48·3	55·3	- 4·8	2	0·55	14	+ 1	Rothamsted	5·1	- 1·7	31	0	34	57·3	—	—	—
p Tottenham	51	73	12th	49	10-12, 15	66·9	51·1	58·5	—	4	0·70	18	—	Tottenham	4·9	—	30	—	—	—	—	—	—
														Southend	6·9	—	42	0	48	60·3	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	68	12th	43	12, 15	61·9	46·7	53·8	- 4·1	5	1·26	32	+17	Harrogate	5 6	- 0·4	34	0	39	54 9	- 1·9	53 6	- 1·2
a, North — *p* Sheffield	429	71	12th	43	11th	63·1	48·9	55·5	—	4	0·11	3	—	Sheffield	4·9	- 1·0	30	0	36	55·4	- 2·7	53·4	- 0·7
p Buxton	987	68	12th	37	11th	59·3	44·9	51·6	- 5·2	3	0·54	14	- 8	Buxton	6·6	—	40	0	31	54·2	- 3·5	52 9	+0·6
a Worksop	56	73	12th	40	11th	66·0	46·9	55·8	- 4·0	3	0·33	8	- 5	Worksop	5.1	- 0·2	31	0	31	57·3	—	54·9	—
t Nottingham	82	72	12th	44	11th	65 0	48·4	56·1	- 4 2	2	0·13	3	- 10	Nottingham	6·0	+0 2	36	0	38	57·8	- 2·3	55 9	- 0 8
b, East — *p* Birmingham, Edgbsn.	525	71	12th	45	15th	63·3	48·7	55.5	- 4 5	4	0·34	9	- 4	Birmingham	4·9	0·0	30	0	35	53·2	- 2·2	51·5	- 0·2
a Raunds	213	75	12th	41	11th	65 6	48·0	56·2	- 4·9	2	0·24	6	- 8	Raunds	6·1	—	37	0	39	58·8	—	—	—
p Oxford	208	73	12th	45	11th	66·4	50·0	57·6	- 3·7	2	0·44	11	- 2	Oxford	6·4	- 0·1	39	0	39	—	—	—	—
														Malvern	7·7	—	47	0	42	58·9	—	57·0	—
a Cheadle (N. Staffs.)	646	71	12th	41	10th	62·9	46·9	54·3	- 4·0	4	0·23	6	- 10	Cheadle	—	—	—	2	28	—	—	—	—
a, West — *p* Tenbury	313	73	12th	39	11, 15	66·6	46·3	55·7	- 3·9	3	0·13	3	- 7	Tenbury	—	—	—	0	34	57·8	—	—	—
a Hereford	291	72	12th	40	11th	65·9	46·7	55·6	- 4·7	2	0·13	3	- 9	Ross on Wye	6·8	—	41	0	41	59·1	—	57·5	—
a Clifton	225	71	11, 12	47	11th	65·6	50·7	57·6	- 4·6	3	0·23	6	- 10	Clifton	7·3	—	45	0	46	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	71	12th	40	11th	65·3	46 7	55·4	- 3·8	4	0·51	13	0	Worthing	5·8	- 2·0	36	0	44	60·8	- 2·4	57·5	- 1 3
a Porton	340	70	12th	41	11th	64·8	46·3	54·9	—	6	0·96	24	—	Marlborough	5·8	- 0·4	36	0	35	58·2	—	55·6	—
a Wisley, Surrey	150	75	12th	44	11th	66.7	48 9	57·2	- 4·1	2	0·79	20	+10	Porton	—	—	—	0	36	59·3	—	—	—
h Tunbridge Wells	354	71	12th	43	12th	64·4	48·4	55·8	- 5·2	3	1·15	29	+17	Wisley, Surrey	5·2	- 1·8	32	0	35	60·1	- 1·6	57·3	- 0·5
h Margate	51	68	13th	49	10th	65·0	52·9	58·5	- 3·3	3	0·27	7	- 3	Tunbridge Wells	5·1	- 2·0	32	0	34	58·8	—	56·6	—
														Margate	6·3	- 0 5	39	0	47	61·6	- 0·9	60·4	+1·2
t Dungeness	21	66	12th	42	12th	62·3	51 3	56·4	- 4·3	4	0·62	16	+ 6	Folkestone	6 3	—	39	0	40	—	—	57 8	—
h St. Leonards	178	68	12th	50	15th	62·6	51.8	56·8	- 4 2	4	0·60	15	+ 3	St. Leonards	5·5	- 2·4	34	0	44	61·3	—	—	—
p Southampton	64	72	12th	48	11th	65·4	51·6	58·0	- 4·7	5	0·70	18	+ 6	Southampton	5·5	- 1·8	34	0	40	—	—	—	—
a Ventnor	59	67	11, 12	50	12th	63·1	52·6	57·5	- 4·1	3	0·32	8	- 3	Ventnor	6·3	- 1·3	39	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	72	12th	49	10-12	65·8	50·9	57·8	- 4 5	4	0·69	17	+ 6	Richmond	5·2	- 1·5	32	0	40	58·6	- 2·7	55·9	- 1·0
a Westminster	27	75	12th	48	10th	66·9	51·1	58·5	- 4·3	4	0·55	14	+ 2	Westminster	4·9	- 1·1	30	0	43	—	—	—	—
ae Greenwich	149	76	12th	46	12th	68·4	49·3	58·2	- 4·8	3	0·91	23	+11	Greenwich	5·1	- 1·6	32	0	35	—	—	—	—
a Hampstead	450	73	12th	46	10th	64·7	50.1	56·9	—	2	0·54	14	—	Hampstead	5·2	—	32	0	37	—	—	—	—
a Camden Square	110	—	—	—	—	—	—	—	—	—	—	—	—	Camden Square	—	—	—	—	—	—	—	—	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	13th	44	12, 15	59·1	47·3	52·8	- 4·8	4	0.61	15	- 4	Aspatria	5·5	- 0·7	33	0	41	54·1	- 4·6	52·0	- 1·9
p Newton Rigg	559	67	11th	38	12th	62·8	47·2	54·5	- 3·3	3	0·34	9	- 7	Newton Rigg	4·7	- 1·5	28	0	31	—	—	—	—
p Stonyhurst	375	67	12th	43	11, 15	61·1	47·7	53.9	- 4·3	5	0·98	25	+ 4	Stonyhurst	6·6	+0·5	40	0	39	—	—	—	—
h Blackpool	66	64	12th	44	11, 12	60 9	49·4	54 8	- 4·1	4	0·27	7	- 9	Blackpool	7·6	+0·3	45	0	34	56 9	—	53·9	—
h Southport	37	66	12th	43	11th	60·2	49·1	54·3	- 4 7	3	0·43	11	- 5	Southport	8·5	+1·4	51	0	39	59·3	- 3·6	58·1	- 1·4
														Hoylake	8·5	+1·8	51			—	—	—	—
t Liverpool (Bidston)	188	68	12th	48	11, 15	60·7	50·4	55·2	- 4·4	4	0·46	12	- 2	Liverpool	8·0	—	48	0	42	—	—	—	—
a Hawarden Bridge	22	69	12th	44	11th	62·7	49·0	55·4	- 4·8	3	0.47	12	0	Manchester City	5·1	+0·1	31	0	41	56·2	- 3·7	56·8	- 0·8
p Manchester (Whit. Pk.)	125	70	12th	41	11, 15	63·1	46·1	54·0	- 6·3	4	0.46	12	- 6	„ Whit. Pk.	5·4	- 0·0	32	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	64	13th	38	11th	60·6	45·4	52·5	- 7·2	2	0·09	2	- 11	Llandudno	7.3	+0·5	44	—	—	—	—	—	—
t Holyhead	15	63	11th	45	11th	59·4	50·1	54·4	- 3·7	2	0·24	6	- 8	Holyhead	8·0	—	48	0	44	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	63	12th	44	11th	60·1	49·7	54·5	—	3	0·26	7	—	Aberystwyth	7·5	+1·4	46	—	—	—	—	—	—
a Rhayader	757	67	11th	36	11th	61·0	44·9	52·4	—	4	0·33	8	—	Rhayader ..	7·4	—	45	2	28	—	—	—	—
t Pembroke	149	62	11th	49	11th	58·1	50·6	54·1	- 3·8	2	0·24	6	- 7	Pembroke ..	6·8	- 0·1	42	—	—	—	—	—	—
p Cardiff	202	70	11, 12	46	15th	64·6	49·6	56·6	- 3·2	3	0·16	4	- 12	Cardiff ..	7·7	—	47	0	42	59·2	- 2·0	56·1	- 1·1
b, ENGLAND, S.W.																							
h Bath	66	72	12th	45	10th	65·9	50·4	57·6	- 3·1	5	0·33	8	- 5	Bath	5·6	- 1·3	35	—	—	60·6	—	57·9	—
a Shaftesbury	722	70	12th	45	10th	64·4	48·1	55·7	- 3·7	4	0·61	16	+ 2	Shaftesbury ..	—	—	—	—	—	56·5	—	55·6	—
a Arlington	613	67	11, 12	42	12th	61·4	46·5	53·4	- 4·7	6	0·48	12	- 9										
h Newquay	190	65	12th	44	12th	59·4	50·1	54·4	- 5·1	4	0·36	9	- 3	Newquay ..	6·6	- 0·3	41	—	—	59·3	—	56·5	—
a Cullompton	202	73	12th	43	12th	66·1	49·3	57·1	- 3·1	5	0·44	11	- 3	Cullompton ..	4·8	- 1·4	30	0	39	59·3	—	—	—
t Portland Bill	19	64	11th	52	9, 10, 14, 15	61·0	52·6	56·5	- 3·2	2	0·36	9	0	Weymouth ..	6·6	—	41	—	—	—	—	—	—
p Plymouth	116	65	11, 12	44	15th	62·0	50·7	56·0	- 4·5	5	0·42	11	- 4	Plymouth ..	6·5	- 0·5	40	0	40	59·3	- 3·9	57·0	—
h Falmouth	167	67	11th	48	15th	61·9	51·0	56·1	- 3·8	6	0·32	8	- 7	Falmouth ..	7·0	- 0·5	43	0	42	61·9	—	59·6	—
9. IRELAND, N.																							
t Malin Head	71	65	11th	44	15th	57·4	48·6	52·7	- 3·4	6	0·26	7	- 9	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	67	11th	34	11th	60·7	43·9	51·7	- 5·0	5	0·30	8	- 12	Markree Castle	—	—	—	0	31	57·8	- 2·4	54·9	- 0·4
p Armagh.. ..	204	67	11th	40	11th	61·7	45·6	53·1	- 4·5	5	0·23	6	- 11	Armagh ..	4·9	- 0·1	29	1	30	57·0	- 2·8	54·6	- 1·2
b, East .. *t* Donaghadee ..	35	66	12th	43	11th	59·9	47·0	53·0	- 4·0	4	0·57	15	- 1										
														Trinity Coll.	—	—	—	0	37	57·4	- 3·0	55·2	- 1·4
														Phœnix Park	7·5	+1·7	45	0	32	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	67	11th	45	10th	62·4	48·7	55·1	- 4·7	4	0·23	6	- 9	Dublin City ..	—	—	—	0	41	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Kilkenny	195	67	11th	39	15th	62·7	45·7	53·6	- 5·1	2	0·16	4	- 12										
a Waterford	137	66	11th	43	15th	61·7	49·0	54·9	- 4·4	5	0·32	8	- 10										
p Seskin, Carrick-on-Suir	542	—	—	—	—	—	—	—	—	—	—	—	—	Seskin ..	—	—	—	—	—	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	64	11th	45	10, 11	59·1	49·1	53·8	- 4·5	6	0·62	16	- 6	Cahirciveen ..	3·8	- 1·5	23	0	40	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	62	14th	43	10th	59·6	48·7	53·8	- 4·8	4	0·31	8	- 8										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—
p Guernsey† ..	173	67	12th	49	12th	62·7	52·1	57·0	- 4·5	3	0·32	8	- 4	Guernsey ..	6·6	- 1·7	41	0	44	62·0	- 0·8	60·0	+0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 15th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. * Dates of Occurrence.	More than 38 m.p.h. * Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed m.p.h	Speed m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	9, 10	6	58	88	16	0	10 } 320 }	25	11	{ 9 { 10	18 } 5 }	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	2	94	72	0	310	13	6	10	4	29	13	10	2	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	27	111	30	0	320	21	9	10	4	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	40	99	29	0	210	18	8	12	8	27	12	12	8	25
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	57	68	43	0	220	21	10	13	17	31	14	13	16	45
Paisley	188	81	15	—	0	—	0	19	113	25	11	340	17	8	9	14	34	15	13	21	50
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	7	84	77	0	300	15	7	9	20	29	13	10	0	10
South Shields	72	61	12	—	0	—	0	41	114	13	0	290	17	8	10	18	28	13	10	14	5
Spurn Head	67	41	‡	—	0	9, 10	11	45	95	17	0	250	29	13	9	21	38	17	9	15	10
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	9	8	58	68	30	4	190	29	13	9	6	43	19	9	5	40
Shoeburyness	103	90	‡	—	0	9	10	31	85	41	1	200	36	16	9	5	48	22	9	0	15
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	20	56	54	38	200	20	9	9	4	34	15	9	2	30
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	9	9	25	91	43	0	—	30	13	9	4	47	21	9	0	5
Larkhill, S'y Plain ..	513	63	43	—	0	9	15	57	96	0	0	260	30	13	9	9	41	18	9	10	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	20	79	69	0	200 } 250 }	18	8	9 {	2 12	37	16	9	11	25
Petersfield..	811	42	‡	—	0	—	0	17	98	43	10	210	21	9	9	2	38	17	9	1	30
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	9	1	9, 10, 15	22	37	98	10	0	300	39	17	9	18	—	—	—	—	—
Southport	80	62	48	—	0	9, 10	21	46	93	8	0	290	36	16	9	16	45	20	9	16	15
Holyhead	60	40	‡	—	0	9	13	67	70	18	0	310	34	15	9	1	44	19	9	5	30
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	9	9	48	80	31	0	—	31	14	9	2	51	23	9	0	50
Plymouth	185	88	2	—	0	—	0	52	87	29	0	—	22	10	9	2	43	19	9	0	0
Lyme Regis	556	61	‡	—	Defective Records.																
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	9	8	45	97	18	0	280	27	12	9	7	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	59	90	19	0	190	23	10	11	11	40	18	13	10	5
Weaver Pt.	160	30	‡	—	0	9	1	31	98	22	16	—	25	11	9	1	43	19	9	0	5
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	9	6	9, 15	9	50	86	8	9	280	51	23	9	1	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday. † Also from 290° on 26th at 1 h; 290° on 29th at 9 h; 200° on 1st at 18 h.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-EIGHTH WEEK of 1922—July 9th to July 15th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	69	37	58·3	47·3	52·5	− 1·5	73	− 16	0	0	5	+ 1	0·66	17	0	5·1	+0·5	29	1010
Eastern.																			
1. SCOTLAND, EAST ..	68	33	59·9	46·3	52·7	− 3·8	75	− 25	0	0	4	0	0·92	23	+ 6	4·0	− 1·5	23	1010
2. ENGLAND, N.E. ..	73	39	62·9	49 3	55·6	− 3 3	96	− 20	0	0	4	+ 1	0·85	22	+ 9	4·5	− 1·7	27	1011
3. ENGLAND, EAST ..	75	44	64·4	50·4	56·9	− 3·6	104	− 26	0	0	3	0	1·07	27	+14	5·6	− 1·2	34	1013
4. MIDLAND COUNTIES	75	39	64·9	47·9	55.8	− 4·0	97	− 27	0	0	3	0	0·35	9	− 4	5·9	− 0·1	35	1012
5. ENGLAND, S.E. ..	75	40	64·5	50·1	56 8	− 4·5	104	− 29	0	0	4	+ 1	0·66	17	+ 6	5·7	− 1·5	35	1014
Western.																			
6. SCOTLAND, WEST ..	69	35	60·4	47·3	53·4	− 3·7	80	− 25	0	0	4	0	0·31	8	− 14	—	—	—	1011
7. ENGLAND, N.W. ..	70	38	61·1	48 1	54·1	− 4·6	85	− 32	0	0	3	0	0·44	11	− 6	6·8	+0·5	38	1013
8. ENGLAND, S.W. ..	73	36	62·6	49·4	55·5	− 4·0	95	− 27	0	0	4	+ 1	0·37	9	− 7	6·5	0 0	40	1014
9. IRELAND, NORTH ..																			1011
10. IRELAND, SOUTH ..																			1014
11. ENGLISH CHANNEL..	67	48	62·0	51·7	56·5	− 4·5	101	− 32	0	0	3	0	0·26	7	− 5	6·5	− 1·4	41	1016
MEAN: DISTRICTS 1-10																			1012

THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, May 28th to July 15th, 1922.

0. SCOTLAND, NORTH ..	76	37	57·2	45·7	51·0	− 1·8	443	− 95	0	− 2	34	+ 7	4·12	105	− 10	4·9	− 0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·6	45·0	52·3	− 2·0	506	− 98	0	− 1	26	+ 2	4·62	117	+21	5·7	− 0·2	33	1011
2. ENGLAND, N.E. ..	84	38	64 8	48·3	56·0	0 0	686	+ 3	0	0	22	+ 1	4·36	111	+27	6·7	+ 0·5	40	1013
3. ENGLAND, EAST ..	83	39	65·8	50·0	57·4	− 0 4	753	− 23	0	0	22	+ 1	3·84	98	+17	7 0	+ 0·1	42	1015
4. MIDLAND COUNTIES	85	34	66 5	47·9	56·6	− 0·9	716	− 42	0	0	21	0	3.97	102	+14	6·6	+ 0·4	39	1015
5. ENGLAND, S.E. ..	85	33	66·3	50·3	57·8	− 0·7	772	− 35	0	0	23	+ 3	3·95	101	+24	7·1	− 0·1	43	1016
Western.																			
6. SCOTLAND, WEST ..	82	35	61 0	46·9	53·5	− 1·9	561	−100	0	0	29	+ 3	4·41	112	− 12	—	—	—	1012
7. ENGLAND, N.W. ..	86	36	62·4	48·5	55·0	− 1·6	638	− 76	0	0	25	+ 3	4·79	121	+20	6·6	+ 0·1	39	1014
8. ENGLAND, S.W. ..	85	33	64·0	49·6	56·3	− 1·0	704	− 48	0	0	26	+ 4	4·41	111	+14	6·8	0·0	42	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	80	45	63·1	52·6	57·5	− 0·9	760	− 47	0	0	19	− 2	3·84	99	+21	7·2	− 0·8	45	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 28 Weeks, January 1st to July 15th, 1922.

0. SCOTLAND, NORTH ..	76	18	48·5	38·0	43·1	− 0·8	697	−223	489	− 50	134	+ 7	24·01	611	− 19	3·6	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	49·4	36.9	42·9	− 1·3	808	−243	627	+10	117	+ 8	16 32	416	+40	3·9	− 0·2	30	1009
2. ENGLAND, N.E. ..	84	12	52·0	39·0	45·2	− 0·3	1.47	− 31	509	+37	104	+ 6	13 76	351	+56	4·5	0·0	35	1011
3. ENGLAND, EAST ..	89	16	53 5	40·1	46·6	+0·1	1320	− 62	431	− 63	101	+ 5	14 24	362	+75	5·0	+ 0·3	38	1013
4. MIDLAND COUNTIES	86	11	53·6	38·8	45·9	− 0·4	1257	−133	496	− 26	106	+11	16·21	412	+ 88	4·3	+ 0·1	33	1012
5. ENGLAND, S.E. ..	88	17	54·4	41·2	47·5	0·0	1400	− 78	318	− 61	105	+12	16·02	408	+92	5 0	+ 0·1	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	51·1	38·6	44·7	− 1·1	968	−207	448	+32	117	+ 1	24·27	617	+53	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	51·7	40·2	45·7	− 0·7	1092	−164	360	− 22	107	+ 5	17·38	442	+36	4·6	+ 0·2	35	1011
8. ENGLAND S W. ..	85	13	53·6	41·3	47·2	− 0·4	1294	−116	268	− 33	114	+12	20 58	526	+76	4·9	+ 0·2	38	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	54·8	45·6	50·0	+0·2	1622	− 11	50	− 55	113	+ 6	18·80	479	+108	5·1	− 0·5	40	1014
MEAN: DISTRICTS 1-10 ..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
21st July, 1922.

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29 JUL 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 113

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 29.

TWENTY-NINTH WEEK.
SUNDAY, JULY 16TH, TO SATURDAY, JULY 22ND, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was changeable and unsettled, with alternating bright and rainy periods. On the 16th the depression which had developed at the end of the preceding week continued its movement eastwards towards the Baltic. Northerly winds with low temperatures and rain occurred along the east coast of England; 29mm. rain were reported at Norwich, and also at Little Massingham, and 22mm. at Cranwell. In the south-west and west the weather was fair. On the 17th and 18th, cloudy to overcast conditions with occasional showers or drizzle in places were associated with the passage of secondaries across the British Isles. A thunderstorm occurred at Felixstowe at 8h. 45m. G.M.T. on the 18th with a rainfall of about 40mm. in an hour The weather on the 19th was mainly fine in the southern part of the British Isles, but in the north cloudy or overcast conditions, accompanied by rain at times, prevailed. The duration of sunshine exceeded 14 hours at many stations in the south. On the 20th, a depression, which had been forming to the north-west of the British Isles, moved north-eastwards. There was heavy rain in Scotland; a rainfall of 10mm. was measured at Eskdalemuir at 18h. on the 20th, and 19mm. more at 7h. on the morning of the 21st. Small secondaries crossing the country on the 21st were associated with rain or showers in most districts, but in the south there were bright periods. Thunderstorms occurred in the eastern counties, at Crathes, Lincoln, Gorleston, Norwich, and Hodsock. Unsettled conditions persisted on the 22nd.

The mean temperature of the week was everywhere below normal, the defect ranging from 0·1°F. at Dundee and Alnwick to 4·7°F. at Shaftesbury and Waterford. The highest temperature for the week occurred at Camden Square, London, on the 21st, when a maximum temperature of 80°F. was recorded. Sunshine was below normal except in the south of England and in the Channel Isles. Solar halos were observed at Oxford on the 17th, 19th and 21st, and at Ross-on-Wye on the 17th, 19th and 22nd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South ...	8	7	3·0	6	11	4·9	7	5	2·3	9	6	2·7	12	13	5·7	10	9	4·0	22	6	2·5	16	7	3·3
North ...	17	9	3·9	11	4	1·7	12	7	3·1	15	3	1·5	14	6	2·8	15	7	3·1	2	3	1·3	9	3	1·4
West ...	17	6	2·8	24	11	4·7	18	8	3·4	25	6	2·8	26	9	3·9	23	12	5·4	22	12	5·5	19	8	3·5
East ...	9	6	2·6	3	4	2·0	2	2	0·9	0	—	—	1	1	0·5	0	—	—	4	5	2·2	6	3	1·5
Calm (or wind-speed < 4 m.p.h.)	2	—	—	1	—	—	8	—	—	3	—	—	1	—	—	1	—	—	1	—	—	3	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	—	—	Deficient
	Rainfall ..	Moderate	Light	Moderate	Heavy	Moderate	Light	Moderate	Moderate	Moderate	—	—	Light
	Sunshine ..	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	—	Moderate	Moderate	—	—	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 8 weeks from May 28th, 1922.	Warmth ..	1, 1, 6	1, 1, 6	2, 2, 4	2, 2, 4	2, 2, 4	2, 2, 4	1, 1, 6	2, 0, 6	2, 1, 5	—	—	2, 2, 4
	Rainfall ..	0, 7, 1	1, 4, 3	2, 4, 2	4, 2, 2	1, 5, 2	3, 2, 3	2, 4, 2	3, 3, 2	2, 3, 3	—	—	2, 4, 2
	Sunshine ..	3, 2, 3	1, 3, 4	2, 2, 4	2, 1, 5	3, 1, 4	2, 3, 3	—	3, 2, 3	3, 2, 3	—	—	2, 2, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.				Mean for the Week				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	57	16th	44	20th	54·3	47·0	50·4	− 2·2	3	0·31	8	− 7										
p Deerness, Orkney	165	59	16th	45	20th	55·1	47·3	50·9	− 2·6	3	0·20	5	− 12	Deerness	3·6	− 0·6	20	—	—	—	—	—	—
a Islands *t* Stornoway	51	61	16, 20	46	16, 22	57·7	48·3	52·7	− 1·8	4	0·68	17	− 4	Stornoway	1·7	− 2·8	10	—	—	—	—	—	—
t Castlebay, Barra I.	37	58	16th	48	20th	55·7	50·6	53·0	—	5	0·63	16	—	Castlebay	3·7	—	22	—	—	—	—	—	—
t Wick	81	61	16th	44	21st	56·7	47·4	51·7	− 2·7	3	0·19	5	− 12										
a Strathpeffer	125	66	18th	43	17, 21	62·7	47·4	54·5	− 2·2	5	0·40	10	− 7										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *a* Fort Augustus	68	64	17, 21	47	22nd	62·7	50·6	56·2	− 0·3	5	0·85	22	+ 3										
p Fort William	171	66	16th	48	22nd	61·4	50·1	55·4	− 1·6	5	1·12	28	− 5										
1. SCOTLAND, E.																							
t Nairn	82	67	20th	46	21, 22	62·9	49·1	55·5	− 0·9	5	0·26	7	− 9	Nairn	2·9	—	17	—	—	—	—	—	—
p Gordon Castle	101	64	21st	45	20, 22	61·7	48·7	54·8	− 1·6	5	0·14	4	− 16	Gordon Castle	2·8	—	16	—	—	—	—	—	—
t Aberdeen	46	65	21st	45	22nd	62·0	50·3	55·7	− 0·6	1	0·02	0·4	− 17	Aberdeen	3·8	− 1·3	22	0	32	—	—	52·4	− 0·8
a Balmoral	930	64	19th	38	19th	61·0	44·4	52·1	− 2·2	4	0·27	7	− 10	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	68	18th	44	22nd	63·4	47·9	55·1	− 2·7	5	0·42	11	− 9	Crathes	4·4	− 0·5	26	0	36	56·4	—	51·2	—
a Dundee	244	69	18, 20	45	22nd	67·3	49·7	57·9	− 0·1	2	0·31	8	− 10	Dundee	4·7	—	28	0	37	59·3	—	—	—
														Inchkeith (F. of Forth)	5·9	—	35	0	45	—	—	—	—
t Inchkeith (F. of Forth)	190	65	20, 22	49	18, 22	61·3	50·6	55·6	—	4	0·23	6	—										
p Edinburgh	441	65	18th	46	22nd	62·3	49·6	55·5	− 1·1	3	0·30	7	− 9	Edinburgh	5·4	+0·1	32	0	41	—	—	—	—
a West Linton	769	66	21st	41	18, 22	62·0	45·1	53·0	− 1·5	4	0·36	9	—	West Linton	—	—	—	0	57	—	—	—	—
a Marchmont	498	66	18th	45	19, 22	62·6	48·6	55·1	− 1·3	1	0·06	2	− 18	Marchmont	3·7	− 1·5	22	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	69	17, 18	46	16, 22	63·7	49·0	55·8	—	4	1·01	26	—	Ford (Argyll)	—	—	—	0	42	59·1	—	54·5	—
t Renfrew	49	—	—	42	22nd	—	49·4	—	—	4	0·41	10	—	Renfrew	3·8	—	23	0	33	—	—	—	—
Rothesay	200	63	16th	47	18, 22	60.3	48·7	54·1	− 3·2	6	0·36	14	− 9	Rothesay	3·1	—	18	0	41	58·1	—	54·0	− 1·1
a Kilmarnock	90	68	22nd	44	22nd	64·3	49·7	56·5	− 0·2	2	0·27	7	− 12	Kilmarnock	3·8	—	23	—	—	58·2	—	53·7	—
a Colmonell	170	65	20, 21	41	18th	62·6	49·9	55·8	− 0·4	4	0·30	8	− 10	Colmonell	—	—	—	0	36	—	—	—	—
p Dumfries	160	64	18, 22	41	18th	62·4	48·7	55·1	− 3·5	3	0·61	15	− 3	Dumfries	3·8	—	23	0	33	57·3	+ 3·3	53·8	− 3·9
t Eskdalemuir	794	63	18, 22	37	18th	60·7	45·6	52·6	—	4	1·24	31	—	Eskdalemuir	4·1	—	25	0	34	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	18, 19, 21, 22	48	22nd	60·3	50·6	55·1	− 2·1	2	0·30	8	− 10	Douglas	6·5	+0·2	40	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	69	20th	44	19th	65·6	50·3	57·4	− 0·1	3	0·06	2	− 14	Cockle Park	5 5	+0·3	33	0	42	56·9	− 1 2	53·7	− 1·2
t Tynemouth	118	68	20th	48	19th	63·1	51·6	57·0	− 0·5	2	0·31	8	− 6	Tynemouth	—	—	—	0	41	—	—	—	—
p Durham	336	69	18th	45	19, 22	66·4	47 9	56·5	− 1·8	4	0·38	10	− 6	Durham	3·2	− 1·9	19	0	33	—	—	—	—
a North *p* Rounton	249	70	20th	44	19th	65·4	47·9	56·0	− 1·7	4	0·67	17	0	Rounton	—	—	—	0	34	57·7	—	—	—
a West Witton	605	68	20th	47	22nd	64·3	51·1	57·2	—	3	0·14	4	—	West Witton	—	—	—	0	41	56·9	—	52·4	—
h Scarborough	118	70	20th	48	18th	63 7	51·1	57·0	− 2·0	3	0·66	17	+ 3	Scarborough †	4·9	− 0·5	30	—	—	—	—	57·0	—
p York	56	70	20th	46	22nd	66·6	50·1	57·8	− 2·3	2	0·24	6	− 9	York	5·8	+0·5	35	—	—	57·2	− 2·3	54·4	− 1·6
t Spurn Head	26	72	20th	51	16th	64·0	52·7	58·0	− 1·6	2	0·39	10	0	Spurn Head	4·5	—	28	—	—	—	—	—	—
b, South *a* Lincoln	58	72	20th	47	19, 20	66·3	50·7	58·0	− 2·8	4	0·76	19	+ 6	Lincoln	—	—	—	0	44	57·6	− 3·2	56·0	− 0·6
t Cranwell	237	69	20th	46	20th	64·1	49·4	56·2	− 4·3	5	1·44	37	+23	Cranwell	3·5	− 2·8	22	0	39	—	—	—	—
														Skegness	4·2	− 2·3	26	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	72	21st	49	16th	63·1	50·9	56·6	− 3·4	6	0·67	17	+ 1	Cromer	4·6	− 1·9	28	—	—	—	—	—	—
a Little Massingham	277	70	21st	48	19th	62·9	50·7	56 4	− 3·6	4	1·54	39	+21	Lit Massingham	3·7	− 2·5	23	—	—	—	—	—	—
t Yarmouth	13	73	20th	49	16, 19	63 7	52·0	57·4	− 3·1	5	1·26	32	+17	Yarmouth	4·2	—	26	0	45	59·6	− 3·6	58·0	− 1·3
a Norwich	93	74	20, 21	45	20th	64·7	49·7	56·7	− 4·4	5	2·33	59	+42	Norwich	3·2	—	20	0	41	59·2	—	—	—
a Geldeston	37	73	20, 21	45	20th	64·5	50·1	56·8	− 3 9	5	1·30	33	+18	Geldeston	3·2	− 3·5	20	—	—	—	—	—	—
p Cambridge	41	75	21st	45	20th	66·1	49·7	57·3	− 4·3	5	2·15	55	+41	Cambridge	3·7	− 2·7	23	0	40	59·3	− 3·3	57·5	− 1·3
t Clacton-on-Sea	54	69	21st	48	16th	64 0	52·3	57·7	− 3·5	4	0·60	15	+ 3	Clacton-on-Sea	5·1	− 1·9	32	0	44	59·1	− 2·3	57·9	− 1·1
a Rothamsted	420	73	21st	45	20th	64·4	49·7	56·5	− 4·0	5	0·94	24	+ 9	Rothamsted	5·1	− 1·4	31	0	36	57·4	—	—	—
p Tottenham	51	77	21st	48	16th	67·7	52·9	59·8	—	5	0·30	8	—	Tottenham	5·6	—	35	—	—	—	—	—	—
														Southend	5·5	—	34	0	45	60·1	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	67	20th	44	18th	64·1	48·9	56·0	− 2·3	3	0·16	4	− 10	Harrogate	5 7	+0·2	35	0	39	55 7	− 1·7	54·3	− 1·1
a, North *p* Sheffield	429	69	20th	48	20, 22	63·7	50·9	56·9	—	3	0·26	7	—	Sheffield	4·6	− 0·9	28	0	42	56·4	− 2·4	53·7	− 0·8
p Buxton	987	66	20th	42	22nd	59·4	47·9	53·3	− 3·9	4	1·06	27	+ 7	Buxton	4·4	—	27	0	37	55·3	− 3·2	53·0	− 1·0
a Worksop	56	70	17, 20	45	20, 22	67·3	49·9	58·0	− 2·2	3	0·50	13	+ 1	Worksop	3,8	− 1·1	24	0	37	57·9	—	55·3	—
t Nottingham	82	68	20th	45	20th	63 9	50·6	56·8	− 3·9	4	0·75	19	+ 7	Nottingham	2·6	− 2·9	16	0	42	57·5	− 3·3	56 8	− 0 5
b, East *p* Birmingham, Edgbsn.	525	67	19, 21	46	18th	63·3	50·3	56.4	− 4·0	5	1·27	32	+20	Birmingham	3·7	− 0·9	23	0	41	53·7	− 2·4	51·8	− 0·5
a Raunds	213	72	21st	46	16th	65·3	50·3	57·3	− 4·2	5	0·56	14	+ 1	Raunds	3·5	—	22	0	42	58·6	—	—	—
p Oxford	208	73	21st	44	16th	66·1	50·6	57·8	− 3·9	3	0·51	13	+ 1	Oxford	4·6	− 1·5	28	0	40	—	—	—	—
														Malvern	5·1	—	32	0	44	59·8	—	57·5	—
a Cheadle (N. Staffs.)	646	65	21st	44	18th	61·9	48·1	54·5	− 4·2	4	0·74	19	+ 4	Cheadle	—	—	—	0	33	—	—	—	—
s, West *p* Tenbury	313	69	19th	44	19th	66·0	49·4	57·1	− 2·9	5	0·38	10	0	Tenbury	—	—	—	0	39	58·6	—	—	—
a Hereford	291	70	18, 19	44	19th	66·7	49·4	57·5	− 3·2	4	0·59	15	+ 4	Ross on Wye	4·8	—	30	0	43	60·2	—	58·3	—
a Clifton	225	67	19th	49	18th	63·7	53·0	58·0	− 4·6	4	0·34	9	− 6	Clifton	5·9	—	37	0	50	—	—	—	—
														Worthing	8·6	+1·3	54	0	43	61·4	− 2·2	58·0	− 1·3
5. ENGLAND, S.E.																							
a Marlborough	424	72	21st	38	20th	67·0	47 0	56·3	− 3·0	4	0·48	12	− 3	Marlborough	4·5	− 1·4	28	0	34	60·1	—	56·1	—
a Porton	340	73	22nd	39	19, 20	67·8	46·4	56·4	—	3	0·71	18	—	Porton	—	—	—	0	31	60·0	—	—	—
a Wisley, Surrey	150	76	21st	45	19th	68.6	50·3	58·8	− 2·6	2	0·13	3	− 9	Wisley, Surrey	6·7	+0·1	42	0	36	60·6	− 1·6	57·6	− 0·7
h Tunbridge Wells	354	75	21st	44	16th	66·7	49·9	57·7	− 3·5	1	0·10	3	− 11	Tunbridge Wells	7·2	+0·5	45	0	35	59·6	—	57·0	—
h Margate	51	76	21st	50	16th	65·7	53·7	59·3	− 2·8	3	0·34	9	− 8	Margate	6·2	− 0·2	39	0	48	61·7	− 1·2	60·8	+1·1
t Dungeness	21	70	19th	47	19th	65·3	53·0	58·7	− 2·4	3	0·09	2	− 9	Folkestone	7·1	—	44	0	46	—	—	57·7	—
h St. Leonards	178	69	21st	46	16th	64·0	51.9	57·5	− 3·8	3	0·09	2	− 12	St. Leonards	7·5	+0·2	47	0	43	61·9	—	—	—
p Southampton	64	73	21st	48	19th	67·7	52·9	59·8	− 3·1	1	0·06	2	− 12	Southampton	7·9	+1·1	49	0	40	—	—	—	—
a Ventnor	59	68	21st	50	20th	64·4	52·9	58·3	− 3·6	2	0·11	3	− 9	Ventnor	9·7	+2·6	61	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	76	21st	47	16th	68·0	52·5	59·7	− 2·7	3	0·43	11	− 2	Richmond	5·7	− 0·5	36	0	41	60·1	− 1·8	56·5	− 0 9
a Westminster	27	76	21st	47	16th	68·6	52·4	59·9	− 3·1	5	0·24	6	− 8	Westminster	6·0	+0·3	37	0	42	—	—	—	—
a Greenwich	149	79	21st	46	16th	69·6	51·0	59·7	− 3·4	5	0·20	5	− 9	Greenwich	6·1	− 0·1	38	0	38	—	—	—	—
a Hampstead	450	75	21st	44	16th	66·0	50.1	57·5	—	5	0·33	8	—	Hampstead	5·5	—	34	0	39	—	—	—	—
a Camden Square	110	80	21st	46	16th	69·0	51·9	59·9	− 3·9	5	0·36	9	− 6	Camden Square	—	—	—	0	43	59·0	—	56·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	20th	44	18th	69·3	48·7	54·1	− 3·8	3	0.71	18	− 1	Aspatria	4·6	− 0·9	28	0	41	56·1	− 3·1	52·6	− 1·8
p Newton Rigg	559	65	22nd	41	18th	61·7	47·9	54·3	− 3·6	3	0·26	7	− 9	Newton Rigg	4·1	− 1·4	25	0	33	—	—	—	—
p Stonyhurst	375	67	20th	46	22nd	62·1	51·0	56.2	− 2·3	4	0·68	17	− 5	Stonyhurst	4·4	− 1·0	27	0	43	—	—	—	—
h Blackpool	66	70	20th	47	22nd	61·9	52·4	56 8	− 2·4	3	0·41	10	− 6	Blackpool	5·7	− 0·6	35	0	45	58 2	—	54·2	—
h Southport	37	70	20th	48	22nd	60·8	52·7	56·5	− 2·8	4	0·86	22	+ 6	Southport	4·8	− 1·4	30	0	42	61·0	−2·5	59·1	− 1·1
														Hoylake	4·7	− 1·2	29	—	—	—	—	—	—
t Liverpool (Bidston)	188	70	20th	50	18, 20	61·4	51·7	56·2	− 3·7	2	0·37	9	− 5	Liverpool	3·6	—	22	0	44	—	—	—	—
a Hawarden Bridge	22	71	20th	50	20, 22	64·0	52 1	57·6	− 2·9	3	0.24	6	− 7	Manchester City	3·0	− 1·4	18	0	45	57·6	− 3·1	56·8	− 1·3
p Manchester (Whit. Pk.)	125	72	20th	42	22nd	63·7	50·0	56·4	− 4·1	3	0.57	15	− 3	„ Whit. Pk.	2·6	− 2·1	16	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	72	20th	46	22nd	62·6	49·6	55·7	− 4·4	4	0·20	5	− 8	Llandudno	5.8	− 0·2	35	—	—	—	—	—	—
t Holyhead	15	62	21st	51	18th	60·0	52·4	55·9	− 2·7	5	0·44	11	− 3	Holyhead	6·2	—	38	0	40	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of poss ble duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	64	20th	49	18th	61·0	53·4	56·9	—	4	1·45	37	—	Aberystwyth	5·0	- 0·6	31	—	—	—	—	—	—
a Rhayader	757	66	22nd	44	22nd	60·7	48·4	54·1	—	5	1·10	28	—	Rhayader ..	4·7	—	29	0	36	—	—	—	—
t Pembroke	149	61	22nd	48	18th	58·4	52·0	55·0	- 3·7	4	0·91	23	+ 8	Pembroke ..	6·9	+0·5	43	—	—	—	—	—	—
p Cardiff	202	66	22nd	47	18th	63·6	50·9	56·8	- 3·6	4	0·45	11	- 9	Cardiff ..	6·8	—	42	0	44	59·8	- 1·7	56·9	- 0·9
b, ENGLAND, S.W.																							
h Bath	66	70	21st	45	20th	66·0	52·4	58·7	- 2·5	4	0·32	8	- 7	Bath	5·5	- 0·9	34	—	—	61·5	—	58·8	—
a Shaftesbury	722	67	19, 21	46	16, 20	63·3	48·3	55·8	- 4·7	3	0·50	13	- 3	Shaftesbury ..	—	—	—	—	—	58·6	—	56·5	—
a Arlington	613	66	22nd	47	18th	62·0	50·5	55·9	- 2·8	5	0·64	16	- 9										
h Newquay	190	64	20th	51	20th	60·2	53·1	56·4	- 3·8	4	0·32	8	- 6	Newquay ..	7·5	+1·1	47	—	—	60·7	—	57·0	—
a Cullompton	202	72	22nd	43	20th	67·4	50·4	58·3	- 2·4	2	0·22	5	- 11	Cullompton ..	6·4	+0·6	40	0	38	60·4	—	—	—
t Portland Bill	19	65	21st	52	16, 18	61·7	53·1	57·1	- 3·3	2	0·13	3	- 8	Weymouth ..	7·8	—	49	—	—	—	—	—	—
p Plymouth	116	68	22nd	49	19th	63·4	52·0	57·3	- 3·8	4	0·28	7	- 10	Plymouth ..	6·9	+0·5	44	0	44	60·1	- 3·5	57·3	—
h Falmouth	167	66	22nd	48	19th	63·0	51·9	57·1	- 3·4	6	0·37	9	- 8	Falmouth ..	6·8	- 0·1	43	0	44	63·5	—	61·0	—
9. IRELAND, N.																							
t Malin Head	71	61	20th	48	16, 18	57·9	50·0	53·7	- 2·8	6	0·69	17	- 1	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle..	122	63	21st	40	18th	61·3	48·3	54·4	- 2·6	3	0·35	9	- 13	Markree Castle	1·0	- 3·1	6	0	34	58·9	- 1·6	55·0	- 0·8
p Armagh.. ..	204	66	20th	43	18th	63·0	48·1	55·0	- 2·8	3	0·39	10	- 8	Armagh ..	3·9	- 0·4	24	0	35	58·4	- 2·0	55·0	- 1·4
b, East .. *t* Donaghadee ..	35	65	20th	45	17th	61·3	49·0	54·7	- 2·6	3	0·27	7	- 11										
														Trinity Coll. Phœnix Park	— 6·4	— +1·3	— 39	0 0	42 40	58·9 —	- 1·9 —	55·6 —	- 1·5 —
10. IRELAND, S.																							
p Dublin City	54	70	20th	46	18th	64·1	50·9	57·0	- 3·4	2	0·24	6	- 7	Dublin City ..	—	—	—	0	42	—	—	—	—
t Birr Castle	175	66	20th	41	18th	62·0	47·6	54·3	- 4·5	3	0·61	15	0	Birr Castle ..	3·1	- 1·3	19	0	34	—	—	—	—
a Kilkenny	195	67	19th	42	17, 18	63·6	48·0	55·8	- 4·0	4	0·69	17	+ 2										
a Waterford	137	65	21, 22	45	18th	62.6	48·9	55·3	- 4·7	5	0·57	15	- 1										
p Seskin, Carrick-on-Suir	542	—	—	—	—	—	—	—	—	—	—	—	—	Seskin ..	—	—	—	—	—	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
a Killarney	174	67	19th	41	16th	63·4	48·2	55·3	- 4·1	4	0.73	19	+ 2	Ballinacurra	4·0	- 1·3	25	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	74	21st	48	20th	65·1	53·0	58·6	- 3·7	2	0·06	1	- 11	St. Heliers ..	11·1	+3·6	70	—	—	—	—	—	—
p Guernsey† ..	173	70	20th	50	20th	64·7	52·7	58·3	- 3·6	3	0·06	2	- 11	Guernsey ..	12·0	+4·4	76	0	44	63·7	+0·4	60·5	+0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, July 22nd, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	55	107	6	0	140	18	8	20	3	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	87	81	0	330	11	5	18	16	27	12	18	16	20
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	19	108	41	0	330	17	7	18	16	—	—	—	—	—
Edinburgh	485	39	31	—	0	20	8	49	99	12	0	210	27	12	20	14	40	18	20	13	40
6. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	20	6	52	72	37	1	200	26	11	20	15	40	18	20	11	35
Paisley	188	81	15	—	0	—	0	16	137	15	0	190	19	9	20	17	37	16	20	16	55
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	10	104	43	11	350	20	9	16	15	33	15	16	14	50
South Shields	72	61	12	—	0	—	0	70	84	14	0	360	22	10	16	14	34	15	16	13	35
Spurn Head	67	41	‡	—	0	16	17	67	74	10	0	280	36	16	16	6	45	20	16	6	35
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	45	88	35	0	320	18	8	19	8	30	13	19	8	25
Shoeburyness	103	90	‡	—	0	—	0	61	78	29	0	270	22	10	16	—	38	17	16	19	15
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	20	105	43	0	290	18	8	16	14	34	15	16	13	50
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	51	86	31	0	—	21	9	18	9	39	17	16	13	50
Larkhill, S'y Plain ..	513	63	43	—	0	16, 18	11	89	62		0	280	29	13	16	16	36	16	{16 / 18	10 / 5	35 / 10}
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	10	129	29	0	280	15	7	16	15	32	15	16	19	15
Petersfield..	811	42	‡	—	0	—	0	23	121	24	0	270	18	8	{16 / 18}	{14 / 7}	33	15	18	7	5
7. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	16, 18	21	78	67	2	0	310	37	16	16	10	—	—	—	—	—
Southport	80	62	48	—	0	16, 18	22	93	50	3	0	300	33	15	16	13	40	18	16	12	35
Holyhead	60	40	‡	—	0	16, 20	6	95	63	4	0	280	27	12	16	7	40	18	{17 / 20}	15 / 16	15 / 50}
8. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	17	2	70	70	24	2	260	28	13	17	21	38	17	17	20	45
Plymouth	185	88	2	—	0	17	1	59	88	20	0	—	25	11	17	22	34	15	17	22	25
Lyme Regis	556	61	‡	Defective Records.																	
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	16, 20	2	83	76	7	0	270	26	12	16	9	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	20	2	53	90	23	0	190	27	12	20	9	39	17	20	8	40
Weaver Pt.	160	30	‡‡	—	0	—	0	43	105	20	0	—	24	11	20	13	40	18	20	12	35
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	16, 17	10	52	89	6	11	300	27	12	16	13	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1922—July 16th to July 22nd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	66	43	59·3	48·5	53·5	− 1·5	81	− 10	0	0	4	− 1	0·59	15	− 8	2·6	− 1·4	15	1010
Eastern.																			
1. SCOTLAND, EAST ..	68	38	62·1	48·1	54·6	− 2·0	88	− 16	0	0	4	0	0·22	6	− 12	4·2	− 0·8	25	1011
2. ENGLAND, N.E. ..	72	44	65·0	50 2	57·1	− 1·7	106	− 11	0	0	3	0	0·55	14	− 1	4·5	− 1·1	28	1012
3. ENGLAND, EAST ..	77	45	64·6	50·9	57·2	− 3·7	106	− 26	0	0	5	+ 2	1·23	31	+16	4·4	− 2·1	27	1013
4. MIDLAND COUNTIES	73	44	64·8	50·1	56·9	− 3·3	104	− 23	0	0	4	+ 1	0·58	15	+ 3	4 5	− 1·1	28	1013
5. ENGLAND, S.E. ..	76	38	66·5	51·1	58·3	− 3·2	114	− 23	0	0	3	0	0·25	6	− 7	7·1	+0·4	45	1014
Western.																			
6. SCOTLAND, WEST ..	69	41	62·3	49·4	55·4	− 1·9	94	− 15	0	0	4	0	0·49	13	− 7	—	—	—	1011
7. ENGLAND, N.W. ..	72	41	61·9	50·7	55·9	− 3·1	97	− 22	0	0	3	− 1	0·46	12	− 5	4·8	− 0·8	29	1013
8. ENGLAND, S.W. ..	72	43	62·9	51·0	56·6	− 3·5	102	− 25	0	0	4	0	0·49	12	− 6	6·2	+0·1	39	1016
9. IRELAND, NORTH ..																2·5	− 1·9	15	1012
10. IRELAND, SOUTH ..																			1015
11. ENGLISH CHANNEL..	74	48	63·8	52·9	58·0	− 3·4	112	− 24	0	0	3	− 1	0·19	5	− 8	10·1	+2·8	64	1018
MEAN: DISTRICTS 1-10																			1013

THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, May 28th to July 22nd, 1922.

0. SCOTLAND, NORTH ..	76	37	57·5	46·0	51·3	− 1·8	524	−105	0	− 2	38	+ 6	4·71	120	− 18	4·6	− 0·4	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·8	45·4	52·6	− 2·0	594	−114	0	− 1	30	+ 2	4·84	123	+ 9	5·5	− 0·3	32	1011
2. ENGLAND, N.E. ..	84	38	64·9	48·5	56·1	− 0·3	792	− 8	0	0	25	+ 1	4·91	125	+26	6·4	+ 0·2	38	1013
3. ENGLAND, EAST ..	83	39	65·6	50·1	57·3	− 0·9	859	− 49	0	0	27	+ 3	5·07	129	+33	6·7	− 0·2	40	1015
4. MIDLAND COUNTIES	85	34	66 3	48·2	56·6	− 1·2	820	− 65	0	0	25	+ 1	4·55	117	+17	6·3	+ 0·1	38	1014
5. ENGLAND, S.E. ..	85	33	66·3	50·4	57·8	− 1·1	886	− 58	0	0	26	+ 3	4·20	107	+17	7·1	− 0·1	44	1015
Western.																			
6. SCOTLAND, WEST ..	82	35	61·1	47·2	53·7	− 2·0	655	−115	0	0	33	+ 3	4·90	125	− 19	—	—	—	1012
7. ENGLAND, N.W. ..	86	36	62·3	48·8	55·1	− 1·8	735	− 98	0	0	28	+ 2	5·25	133	+15	6·4	0·0	38	1014
8. ENGLAND, S.W. ..	85	33	63·9	49·8	56·4	− 1·3	806	− 73	0	0	30	+ 4	4·90	123	+ 8	6·8	+ 0·1	41	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	80	45	63·2	52·7	57·6	− 1·2	872	− 71	0	0	22	− 3	4·03	104	+13	7·6	− 0·3	47	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 29 Weeks, January 1st to July 22nd, 1922.

0. SCOTLAND, NORTH ..	76	18	48·9	38·4	43·4	− 0·9	778	−233	489	− 50	138	+ 6	24·60	626	− 27	3·6	0·0	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	49·8	37·3	43·3	− 1·3	896	−259	627	+10	121	+ 8	16·54	422	+28	3·9	− 0·3	30	1009
2. ENGLAND, N.E. ..	84	12	52·4	39·4	45·7	− 0·3	1253	− 42	509	+37	107	+ 6	14·31	365	+55	4·5	0·0	34	1011
3. ENGLAND, EAST ..	89	16	53·9	40·5	46·9	0·0	1426	− 88	431	− 63	106	+ 7	15·47	393	+91	5·0	+ 0·2	38	1013
4. MIDLAND COUNTIES	86	11	53·9	39·2	46·3	− 0·5	1361	−156	496	− 26	110	+12	16·79	427	+91	4·3	0·0	33	1012
5. ENGLAND, S.E. ..	88	17	54·8	41·5	47·9	− 0·1	1514	−101	318	− 61	108	+12	16·27	414	+85	5·1	+ 0·2	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	51·5	39·0	45·0	− 1·2	1062	−222	448	+32	121	+ 1	24·76	630	+46	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	52·0	40·6	46·1	− 0·8	1189	−186	360	− 22	110	+ 4	17·84	454	+31	4·6	+ 0·2	35	1011
8. ENGLAND, S.W. ..	85	13	53·9	41·7	47·6	− 0·4	1396	−141	268	− 33	118	+12	21·07	538	+70	4·9	+ 0·1	38	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	55·1	45·8	50·3	+0·1	1734	− 35	50	− 55	116	+ 5	18·99	484	+100	5·3	− 0·3	41	1014
MEAN: DISTRICTS 1-10 ..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
28th July, 1922.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 30.

THIRTIETH WEEK.
SUNDAY, JULY 23RD, TO SATURDAY, JULY 29TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report). £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather was again changeable and unsettled. Rain fell on several days, and in a few instances the measurements were decidedly large, although the total amount for the week was below the normal in nearly all districts. Amongst the heaviest falls were 74mm. at Keresley Grange, near Coventry, 32mm. at Birmingham and 27mm. at Cambridge on the 23rd, while during the night of the 28th a fall of 43mm. was recorded at Birr Castle (King's County). Thunder was heard at Burnley, Dublin, Leeds and Stonyhurst on the 29th. The mean temperature for the week was below the normal in all districts. The highest temperatures were registered in the eastern and south-eastern parts of England, where readings of 75°F. and above were obtained. The highest temperature for the week occurred at Yarmouth on the 29th, when a maximum of 77°F. was recorded. Screen minimum temperatures below 40°F. were registered at a few places in Scotland on the 26th, and at Rhayader (Radnor) on the 28th, while temperature on the grass at the latter station fell as low as 28°F. on the same date. The mean amount of sunshine for the week was below the normal at nearly all stations. The departure of the mean duration from the normal for the week ranged from +1·2 hours at Aberystwyth to −3·0 hours at Douglas (Isle of Man). The largest amounts of sunshine were generally recorded during the latter half of the week, when a considerable number of stations recorded more than 12·0 hours. Scilly and Torquay had 13·7 hours, Falmouth (Pendennis) 13·5 hours and Portsmouth 13·3 hours on the 28th, and Ramsgate and Margate about 13·5 hours on the 29th. Solar halos were observed at Dublin on the 23rd, Armagh and Birmingham on the 25th, Aberdeen on the 23rd and 28th, Ross-on-Wye on the 25th and 29th, and at Oxford on the 25th, 26th and 28th. A Parhelion was seen at Newquay on the 28th. The observer at Fort William reports that about 21h. on the 23rd an unusual optical phenomenon, which was visible for about 5 minutes, was observed on the eastern horizon. It was spherical in shape, and contained the usual spectrum colours.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	6	9	3·9	5	9	4·2	8	8	3·4	9	7	2·9	13	11	4·9	12	7	3·0	16	7	3·3	17	10	4·3
North	14	10	4·6	10	4	1·7	16	7	3·3	9	5	2·4	12	6	2·7	9	9	3·8	7	4	1·6	8	3	1·4
West	20	8	3·5	14	12	5·4	13	6	2·7	15	5	2·4	20	7	3·1	15	9	4·0	14	10	4·5	15	7	3·3
East	5	7	3·0	6	6	2·5	9	8	3·4	4	3	1·3	5	6	2·7	6	5	2·4	10	5	2·2	10	3	1·3
Calm (or wind-speed < 4 m.p.h.)	3	—	—	7	—	—	3	—	—	9	—	—	1	—	—	1	—	—	3	—	—	3	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall ..	Light	Light	Moderate	Moderate	Moderate	Light	Heavy	Moderate	Light	—	—	Moderate
	Sunshine ..	Abundant	Scanty	Scanty	Moderate	Scanty	Moderate	—	Scanty	Moderate	—	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 9 weeks from May 28th, 1922.	Warmth ..	1, 1, 7	1, 1, 7	2, 2, 5	2, 2, 5	2, 2, 5	2, 2, 5	1, 1, 7	2, 0, 7	2, 1, 6	—	—	2, 2, 5
	Rainfall ..	0, 7, 2	1, 4, 4	2, 5, 2	4, 3, 2	1, 6, 2	3, 2, 4	3, 4, 2	3, 4, 2	2, 3, 4	—	—	2, 5, 2
	Sunshine ..	4, 2, 3	1, 3, 5	2, 2, 5	2, 2, 5	3, 1, 5	2, 4, 3	—	3, 2, 4	3, 3, 3	—	—	2, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation rom average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
a Islands — *t* Lerwick	54	57	27, 28	44	25th	54·3	46·3	50·0	- 2·5	5	0·46	12	0										
a Islands — *p* Deerness, Orkney	165	60	28th	43	26th	55·6	46·6	50·8	- 2·6	6	0·38	10	- 3	Deerness	4·1	- 0·2	24	—	—	—	—	—	—
a Islands — *t* Stornoway	51	61	27th	44	23, 24	58·0	46·4	51·8	- 2·6	5	0·50	13	- 3	Stornoway	4·9	+0·3	29	—	—	—	—	—	—
a Islands — *t* Castlebay, Barra I.	37	62	23rd	47	25th	56·6	50·3	53·2	—	5	0·39	10	—	Castlebay	5·6	—	34	—	—	—	—	—	—
b, Mainland — *t* Wick	81	63	29th	36	26th	56·1	44·9	50·1	- 4·1	4	0·46	12	- 1										
b, Mainland — *a* Strathpeffer	125	67	29th	43	25th	62·3	46·6	53·9	- 2·5	5	0·50	13	+ 1										
b, Mainland — *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland — *a* Fort Augustus	68	62	26, 29	44	26th	59·7	48·0	53·4	- 2·8	3	0·43	11	- 4										
b, Mainland — *p* Fort William	171	66	23, 25	46	25th	61·6	48·0	54·3	- 2·4	5	0·58	15	- 10										
1. SCOTLAND, E.																							
t Nairn	82	64	26th	40	26th	60·9	46·9	53·4	- 2·4	5	0·41	10	- 4	Nairn	3·3	—	20	—	—	—	—	—	—
p Gordon Castle	101	68	29th	38	26th	62·0	46·1	53·5	- 2·4	3	0·12	3	- 15	Gordon Castle	4·3	—	26	—	—	—	—	—	—
t Aberdeen	46	67	29th	45	25, 28	60·4	48·4	54·0	- 1·8	3	0·25	6	- 9	Aberdeen	4·1	- 0·4	25	0	32	—	—	53·0	- 0·6
a Balmoral	930	62	26, 29	38	26th	58·6	41·9	49·7	- 3·9	4	0·10	3	- 13	Balmoral	—	—	—	0	32	—	—	—	—
p Crieff	432	64	25, 29	44	25, 27	61·3	46·1	53·2	- 3·9	4	0·59	15	- 4	Crathes	3·0	- 1·4	18	0	35	54·6	—	51·5	—
a Dundee	244	65	29th	40	26th	62·9	44·0	52·8	- 4·4	3	0·26	7	- 10	Dundee	5·0	—	31	0	33	58·6	—	—	—
t Inchkeith (F. of Forth)	190	64	29th	43	26th	59·7	48·7	53·8	—	4	0·32	8	—	Inchkeith (F. of Forth)	5·6	—	34	0	41	—	—	—	—
p Edinburgh	441	68	29th	46	28th	60·9	47·9	54·0	- 2·1	3	0·27	7	- 8	Edinburgh	4·2	- 0·5	25	0	38	—	—	—	—
a West Linton	769	63	23rd	40	24th	59·3	47·0	52·7	- 1·1	5	0·50	13	—	West Linton	—	—	—	0	35	—	—	—	—
a Marchmont	498	63	29th	45	24th	60·0	46·7	52·9	- 2·9	4	0·46	12	- 5	Marchmont	2·9	- 1·8	18	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	64	23rd	39	26th	60·7	45·0	52·3	—	5	1·74	44	—	Ford (Argyll)	—	—	—	0	33	59·5	—	55·4	—
t Renfrew	49	66	29th	42	25th	62·1	46·7	53·9	—	4	0·69	18	—	Renfrew	3·4	—	21	0	32	—	—	—	—
a Rothesay	200	63	24th	47	28th	59·6	48·3	53·6	- 3·6	5	1·50	38	+15	Rothesay	4·2	—	25	0	39	57·9	—	54·0	- 1·5
a Kilmarnock	90	69	29th	40	25th	63·7	46·3	54·4	- 2·1	4	1·18	30	+11	Kilmarnock	3·5	—	21	—	—	57·8	—	54·1	—
a Colmonell	170	70	29th	44	23, 24	61·3	48·4	54·4	- 1·7	6	1·21	31	+13	Colmonell	—	—	—	0	39	—	—	—	—
p Dumfries	160	62	24, 27	44	24, 25	61·7	46·9	53·8	- 4·5	4	1·01	26	+ 8	Dumfries	2·8	—	17	0	37	57·0	- 3·6	54·2	- 3·8
t Eskdalemuir	794	63	29th	36	28th	58·3	42·0	49·6	—	5	1·13	29	—	Eskdalemuir	2·0	—	13	0	31	—	—	—	—
b, I. OF MAN *h* Douglas	284	63	29th	46	25th	61·0	49·9	55·1	- 2·0	5	1·79	45	+27	Douglas	2·8	- 3·0	17	0	42	—	—	—	—
2. ENGLAND, N.E.																							
a North — *a* Alnwick Castle	210	70	29th	44	23rd	62·8	46·3	54·0	- 3·1	4	0·65	17	- 3	Cockle Park	3·1	- 1·7	19	0	38	56·2	- 1·9	54·4	- 0·9
a North — *t* Tynemouth	118	70	29th	46	26th	62·0	49·1	55·1	- 2·1	3	0·37	9	- 9	Tynemouth	—	—	—	0	41	—	—	—	—
a North — *p* Durham	336	68	29th	42	26th	62·1	45·4	53·2	- 4·7	4	0·49	12	- 7	Durham	2·7	- 1·9	17	0	33	—	—	—	—
a North — *p* Rounton	249	64	28, 29	45	26th	60·7	47·3	53·5	- 3·8	3	0·39	10	- 11	Rounton	—	—	—	0	36	57·4	—	—	—
a North — *a* West Witton	605	67	28th	44	26th	62·3	47·4	54·3	—	5	0·43	11	—	West Witton	—	—	—	0	40	56·8	—	53·0	—
a North — *h* Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
a North — *p* York	56	69	29th	48	26th	63·9	49·9	56·4	- 3·3	4	0·79	20	+ 2	York	2·2	- 2·6	14	—	—	57·9	- 1·8	55·0	- 1·6
b, South — *t* Spurn Head	26	76	29th	49	26th	64·7	52·1	58·0	- 1·3	3	0·13	3	- 11	Spurn Head	3·3	—	21	—	—	—	—	—	—
b, South — *a* Lincoln	58	75	29th	48	28th	66·0	50·1	57·5	- 2·8	3	0·48	12	- 5	Lincoln	—	—	—	0	45	58·0	- 3·2	56·5	- 0·7
b, South — *t* Cranwell	237	74	29th	46	28th	64·1	48·9	56·0	- 4·1	3	0·59	15	- 3	Cranwell	4·6	- 1·1	29	0	39	—	—	—	—
														Skegness	5·3	- 0·8	33	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	74	29th	46	26th	63·6	50·6	56·7	- 3·1	4	0·10	3	- 13	Cromer	5·7	- 0·2	36	—	—	—	—	—	—
a Little Massingham	277	73	29th	47	26th	63·7	50·7	56·8	- 2·7	3	0·73	19	0	Lit Massingham	5·0	- 0·5	32	—	—	—	—	—	—
t Yarmouth	13	77	29th	46	25th	64·9	52·6	58·3	- 1·9	3	0·28	7	- 9	Yarmouth	6·6	—	41	0	41	60·1	- 3·1	58·0	- 1·8
a Norwich	93	75	29th	42	26th	65·7	50·2	57·4	- 3·3	4	0·42	11	- 6	Norwich	4·9	—	31	0	39	60·7	—	—	—
a Geldeston	37	76	29th	43	26th	65·4	50·1	57·2	- 3·1	3	0·61	15	0	Geldeston	4·7	- 1·3	29	—	—	—	—	—	—
p Cambridge	41	70	29th	49	26, 29	67·7	51·6	59·1	- 2·0	2	1·12	29	+14	Cambridge	5·8	0·0	37	0	44	61·0	- 1·7	57·9	- 1·4
t Clacton-on-Sea	54	72	29th	48	25th	67·3	53·6	60·0	- 0·9	2	0·71	18	+ 5	Clacton-on-Sea	4·9	- 1·5	31	0	43	60·7	- 0·7	58·6	- 0·9
a Rothamsted	420	70	29th	47	29th	65·1	50·7	57·4	- 2·6	3	0·44	11	- 5	Rothamsted	5·8	- 0·1	37	0	38	59·4	—	—	—
p Tottenham	51	73	29th	51	24th	68·1	54·0	60·6	—	3	0·38	10	—	Tottenham	5·8	—	37	—	—	—	—	—	—
														Southend	6·4	—	41	0	47	61·8	—	—	—
4. MIDLAND COUNTIES.																							
a, North — *h* Harrogate	479	64	28th	44	27th	61·0	46·4	53·2	- 4·8	5	0·72	18	- 3	Harrogate	2·7	- 2·4	17	0	39	56·1	- 1·6	55·0	- 0·8
a, North — *p* Sheffield	429	74	29th	49	24, 29	63·6	50·6	56·7	—	4	0·27	7	—	Sheffield	4·1	- 1·0	25	0	44	56·5	- 2·6	54·2	- 0·7
a, North — *p* Buxton	987	69	29th	45	24, 28	60·6	47·1	53·4	- 3·4	4	0·41	10	- 22	Buxton	4·4	—	27	0	39	56·2	- 2·5	53·2	- 1·3
b, East — *a* Worksop	56	75	29th	45	29th	66·6	47·9	56·6	- 3·2	2	0·47	12	- 6	Worksop	3·1	- 1·5	20	0	38	58·6	—	55·9	—
b, East — *t* Nottingham	82	74	29th	47	28th	64·9	50·9	57·4	- 2·8	3	0·39	10	- 9	Nottingham	4·5	- 0·6	29	0	42	60·0	- 0·9	57·2	- 0·7
b, East — *p* Birmingham, Edgbsn.	525	71	29th	46	28th	64·6	50·1	56·9	- 3·1	4	1·42	36	+17	Birmingham	4·3	+0·1	28	0	33	54·4	- 1·9	52·0	- 0·7
b, East — *a* Raunds	213	74	29th	46	28th	66·3	50·4	57·8	- 3·2	3	0·64	16	- 4	Raunds	5·5	—	34	0	40	59·9	—	—	—
b, East — *p* Oxford	208	71	25, 29	49	24th	66·7	52·3	59·0	- 2·3	2	0·42	11	- 7	Oxford	5·8	+0·2	37	0	43	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
c, West — *a* Cheadle (N. Staffs.)	646	70	29th	47	24, 28	63·3	49·0	55·7	- 2·6	4	0·43	11	- 13	Cheadle	—	—	—	0	35	—	—	—	—
c, West — *p* Tenbury	313	71	29th	42	28th	67·1	49·0	57·4	- 2·1	2	0·38	10	- 8	Tenbury	—	—	—	0	39	59·8	—	—	—
c, West — *a* Hereford	291	70	29th	41	28th	66·3	50·0	57·6	- 2·7	2	0·54	14	- 4	Ross on Wye	6·7	—	42	0	41	61·1	—	58·7	—
c, West — *a* Clifton	225	71	28, 29	50	24th	67·1	53·0	59·6	- 2·6	3	0·34	9	- 15	Clifton	—	—	—	—	—	—	—	—	—
5. ENGLAND, S.E.																							
														Worthing	6·0	- 0·9	39	0	44	62·3	- 1·5	58·7	- 1·1
a Marlborough	424	71	29th	42	25, 29	67·1	49·0	57·4	- 1·6	4	0·25	6	- 11	Marlborough	3·8	- 1·8	24	0	40	61·3	—	56·7	—
a Portou	340	71	28th	41	25th	66·5	47·6	56·4	—	2	0·18	5	—	Porton	—	—	—	0	36	60·5	—	—	—
a Wisley, Surrey	150	73	28, 29	47	25, 29	69·1	51·3	59·6	- 1·5	2	0·14	3	- 10	Wisley, Surrey	6·1	- 0·1	39	0	36	62·5	+0·1	58·2	- 0·6
h Tunbridge Wells	354	72	27th	46	25th	68·0	52·3	59·6	- 1·3	3	0·28	7	- 8	Tunbridge Wells	6·1	- 0·3	39	0	34	61·3	—	57·8	—
h Margate	51	75	29th	52	25th	67·9	54·4	60·7	- 1·3	3	0·44	11	- 2	Margate	5·5	- 0·5	35	0	50	63·5	+0·4	61·2	+1·1
t Dungeness	21	71	29th	47	25th	65·4	55·1	59·9	- 1·1	3	0·26	7	- 6	Folkestone	5·7	—	36	0	42	—	—	58·2	—
h St. Leonards	178	67	27, 29	50	25th	65·0	54·2	59·2	- 2·1	5	0·34	9	- 6	St. Leonards	5·6	- 1·3	36	0	43	62·8	—	—	—
p Southampton	64	73	28th	48	25th	67·3	53·4	59·9	- 2·7	3	0·22	6	- 10	Southampton	5·6	- 0·8	36	0	40	—	—	—	—
a Ventnor	59	68	28th	51	25th	64·9	54·6	59·4	- 2·5	3	0·52	13	- 1	Ventnor	5·6	- 1·0	36	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	72	29th	49	29th	68·2	53·6	60·4	- 1·6	3	0·37	9	- 6	Richmond	5·7	- 0·3	36	0	41	62·2	+0·2	57·4	- 0·5
a Westminster	27	73	27, 29	49	25th	69·4	53·6	61·0	- 1·7	3	0·21	5	- 10	Westminster	5·7	+0·4	37	0	44	—	—	—	—
a Greenwich	149	77	29th	48	25th	71·6	52·1	61·2	- 1·6	3	0·22	6	- 9	Greenwich	5·2	- 0·8	33	0	35	—	—	—	—
a Hampstead	450	71	29th	49	24, 25	66·9	52·0	58·9	—	3	0·30	8	—	Hampstead	5·9	—	37	0	39	—	—	—	—
a Camden Square	110	74	29th	50	25th	70·0	53·4	61·1	- 2·4	4	0·31	8	- 8	Camden Square	—	—	—	0	46	61·3	—	56·9	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	61	29th	43	24, 25	58·3	46·6	52·0	- 5·8	4	0·75	19	- 6	Aspatria	2·6	- 2·5	16	0	41	56·0	- 3·4	53·1	- 1·8
p Newton Rigg	559	65	24, 29	42	25th	63·0	45·6	53·7	- 3·9	5	0·55	14	- 7	Newton Rigg	3·3	- 1·9	20	0	35	—	—	—	—
p Stonyhurst	375	63	23, 28	48	24, 25, 28	61·3	50·0	55·3	- 2·9	3	1·49	38	+ 9	Stonyhurst	3·3	- 1·6	21	0	43	—	—	—	—
h Blackpool	66	65	28th	46	24th	61·9	51·6	56·4	- 2·6	3	1·37	35	+14	Blackpool	5·3	- 0·6	33	0	41	58·7	—	54·8	—
h Southport	37	64	23rd	48	24th	61·3	52·3	56·5	- 2·6	3	0·96	25	+ 4	Southport	6·3	+0·4	39	0	45	62·4	- 1·3	59·8	- 0·9
														Hoylake	5·9	+0·4	37	—	—	—	—	—	—
t Liverpool (Bidston)	188	68	29th	49	24th	62·0	52·7	57·0	- 2·7	4	0·52	13	- 6	Liverpool	5·7	—	36	0	45	—	—	—	—
a Hawarden Bridge	22	72	29th	49	24, 28	64·1	52·3	57·8	- 2·6	3	0·38	10	- 6	Manchester City	3·1	- 1·0	19	0	45	58·9	- 2·3	57·1	- 1·5
p Manchester (Whit. Pk.)	125	70	29th	46	28th	63·7	50·7	56·8	- 3·5	4	0·54	14	- 8	„ Whit. Pk.	2·6	- 1·8	16	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	72	29th	48	25th	63·0	50·3	56·2	- 3·7	5	0·25	6	- 11	Llandudno	4·3	- 1·4	27	—	—	—	—	—	—
t Holyhead	15	64	28th	50	25th	59·9	54·1	56·8	- 1·7	4	0·60	15	- 4	Holyhead	5·2	—	32	0	49	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 1rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of poss ble duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	66	29th	52	29th	61·7	53·6	57·4	—	3	0·44	11	—	Aberystwyth	6·6	+1·2	41	—	—	—	—	—	—
a Rhayader	757	66	28th	37	28th	61·4	47·7	54·1	—	3	0·59	15	—	Rhayader ..	5·8	—	37	1	28	—	—	—	—
t Pembroke	149	63	23–25	51	28th	61·4	53·0	56·9	- 1·8	2	0·20	5	- 14	Pembroke ..	5·7	- 0·2	36	—	—	—	—	—	—
p Cardiff	202	68	28, 29	49	28th	65·7	52·3	58·5	- 1·7	3	0·48	12	- 12	Cardiff ..	6·2	—	39	0	43	61·3	- 0·4	57·2	- 1·1
b, ENGLAND, S.W.																							
h Bath	66	71	29th	47	25, 29	67·4	51·4	58·8	- 2·1	3	0·12	3	- 15	Bath	4·7	- 1·3	30	—	—	62·8	—	59·5	—
a Shaftesbury	722	68	25, 28	48	24th	64·1	49·7	56·4	- 3·3	3	0·80	8	- 11	Shaftesbury ..	—	—	—	—	—	59·0	—	57·0	—
a Arlington	613	66	29th	45	28th	63·3	49·8	56 1	- 2·4	3	0·77	20	- 10										
h Newquay	190	72	29th	44	28th	63·4	51·4	57·0	- 3·1	3	0·51	13	- 4	Newquay ..	6·0	0·0	39	—	—	61·5	—	57·7	—
a Cullompton	202	74	28th	44	28th	69·1	49·4	58·6	- 1·8	2	0·12	3	- 17	Cullompton ..	5·3	- 0·1	34	0	40	62·4	—	—	—
t Portland Bill	19	67	28th	52	23, 27	62·6	53·1	57·5	- 2·9	2	0·33	8	- 5	Weymouth ..	6·0	—	38	—	—	—	—	—	—
p Plymouth	116	69	28th	48	28th	65·0	52·4	58·3	- 2·6	4	0·32	8	- 12	Plymouth ..	6·1	- 0·1	39	0	43	62·2	- 1·8	58·0	—
h Falmouth	167	67	25, 29	49	28th	64·9	51·9	58·0	- 2·3	4	0·42	11	- 10	Falmouth ..	6·6	+0·1	43	0	44	64·0	—	61·5	—
9. IRELAND, N.																							
t Malin Head	71	61	26, 28	50	25, 27	58·9	51·3	54·8	- 1·6	5	0·80	20	+ 2	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle	122	65	24, 26, 28, 29	39	25th	64·0	47·7	55·3	- 1·4	4	0·90	23	+ 1	Markree Castle	3·0	- 1·2	19	0	34	59·6	- 1·1	55·7	- 0·5
b, East .. *p* Armagh	204	68	29th	41	25th	63·9	49·0	55·9	- 1·5	5	0·81	21	+ 2	Armagh ..	3·5	- 0·9	21	0	31	58·7	- 2·0	55·6	- 1·3
t Donaghadee	35	71	29th	45	25th	62·6	49·4	55·5	- 1·6	5	1·11	28	+10	Trinity Coll.	—	—	—	0	42	60·3	- 0·7	56·4	- 1·2
														Phœnix Park	5·7	+0·5	35	0	36	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	70	29th	49	25th	65·9	53·3	59·2	- 0·8	6	0·43	11	- 8	Dublin City ..	—	—	—	0	44	—	—	—	—
t Birr Castle	175	68	28th	47	25, 28	64·3	51·0	57·2	- 1·1	4	2·07	53	+31	Birr Castle ..	—	—	—	0	38	—	—	—	—
a Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—										
a Waterford	137	67	29th	48	28th	64·6	52·7	58·2	- 1·4	3	0·20	5	- 18										
p Seskin, Carrick-on-Suir	542	66	24th	46	28th	63·9	49·1	56·0	—	5	0·41	10	—	Seskin ..	3·3	—	21	0	37	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	63	24, 28, 29	42	28th	61.9	52·6	56·9	- 1·9	5	0·69	17	11	Cahirciveen ..	3·8	- 1·1	24	0	38	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	65	24, 28, 29	49	28th	63·7	52·9	57·9	- 2·6	3	0·22	5	- 10	Scilly ..	—	—	—	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	69	28th	50	25th	66·1	53 7	59·5	- 2·8	4	0·43	11	- 3	St. Heliers ..	6·6	- 0 6	42	—	—	—	—	—	—
p Guernsey† ..	173	70	29th	52	23, 25, 28	66·0	53·7	59 4	- 2·5	3	0·47	12	- 2	Guernsey ..	6·3	- 0·9	41	0	44	64·4	+0·8	61·1	+0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 29th, 1922.

District and Station.	Height: Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	d. hr.	m.p.h	m/s.	d. h.
**Deerness (Cup Anr.) ..	188	16	5	—	0	26	1	67	86	14	0	140	25	11	26 9	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	0	—	0	0	102	66	0	170	10	4	29 8	24	11	24 11 5
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	7	131	30	0	330	15	7	24 11	—	—	— —
Edinburgh	485	39	31	—	0	26	2	51	76	39	0	200	25	11	26 13	41	18	29 9 30
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	0	29	1	31	87	44	5	210	25	11	29 12	36	16	29 11 35
Paisley	188	81	15	—	0	—	0	2	133	33	0	250	13	6	29 13	30	13	29 13 0
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	0	—	0	2	112	39	15	210	13	6	29 16	26	11	29 15 30
South Shields	72	61	12	—	0	—	0	48	111		0	270	15	9	29 17	31	14	29 17 5
Spurn Head	67	41	‡	—	0	24	1	74	82	5	6	330	25	11	24 12	30	14	24 10 35
3. ENGLAND, E.																		
Gorleston	52	42	‡	—	0	—	0	55	90	23	0	170	22	10	29 12	31	14	24 15 45
Shoeburyness	103	90	‡	—	0	—	0	25	94	48	1	230	20	9	29 14	29	13	29 14 50
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	0	—	0	17	75	76	0	230	17	8	29 13	31	14	29 12 55
5. ENGLAND, S.E.																		
Brighton	261	53	6	—	0	—	0	23	102	43	0	—	16	7	26 15	26	12	26 12 30
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	54		18	0	230	20	9	25 15	26	12	25 15 0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	12	95	67	0	220	16	7	29 14	29	13	29 14 50
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	6	122	37	3	230	15	7	26 16	23	10	26 15 45
7. ENGLAND, N.W.																		
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	82	73	13	0	230	21	9	26 19	—	—	— — —
Southport	80	62	48	—	0	—	0	92	68	8	0	260	24	11	29 14	35	16	29 11 50
Holyhead	60	40	‡	—	0	29	2	67	88	11	0	180	25	11	29 9	40	18	29 8 50
8. ENGLAND, S.W.																		
Pendennis Castle ..	256	65	24	—	0	26	6	34	66	62	0	220	27	12	26 11	36	16	26 10 40
Plymouth	185	88	2	—	0	—	0	27	113	28	0	—	20	9	24 9	31	14	24 8 40
Lyme Regis	556	61	‡				Defective Records.											
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	0	26	1	52	98	17	0	250	25	11	26 17	—	—	— — —
Quilty	100	40	‡‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	26, 28	6	55	76	31	0	210	27	12	26 7	41	18	26 6 40
Weaver Pt.	160	30	‡‡	—	0	26	3	54	103	12	16	—	25	11	26 8	42	19	26 8 15
11. ENGLISH CHANNEL.																		
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	36	119	13	0	240	23	10	26 16	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTIETH WEEK of 1922—July 23rd to July 29th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	67	36	58·7	46·7	52·3	− 2·5	72	− 18	0	0	5	+ 1	0·49	13	− 4	4·5	+0·4	27	1013
Eastern.																			
1. SCOTLAND, EAST ..	68	38	60·3	46·5	52·9	− 3·1	76	− 23	0	0	4	0	0·34	9	− 8	3·7	− 0·7	23	1014
2. ENGLAND, N.E. ..	76	42	63·3	48·6	55·5	− 2·9	95	− 20	0	0	3	− 1	0·49	12	− 6	3·6	− 1·6	22	1016
3. ENGLAND, EAST ..	77	42	65·7	51·6	58·2	− 2·3	113	− 17	0	0	3	− 1	0·53	14	− 1	5·5	− 0·3	35	1016
4. MIDLAND COUNTIES	75	41	65·4	49·9	57·1	− 2·7	106	− 18	0	0	3	− 1	0·58	15	− 4	4·5	− 0·7	28	1016
5. ENGLAND, S.E. ..	75	41	66·9	52·5	59·3	− 2·0	121	− 14	0	0	3	0	0·30	8	− 7	5·6	+0·8	35	1017
Western.																			
6. SCOTLAND, WEST ..	70	39	61·4	47·3	53·9	− 3·2	83	− 23	0	0	5	+ 1	1·30	33	+13	—	—	—	1015
7. ENGLAND, N.W. ..	72	42	61·9	50·5	55·8	− 3·0	97	− 20	0	0	4	0	0·69	18	− 4	4·2	− 1·0	26	1016
8. ENGLAND, S.W. ..	74	37	64·5	51·1	57·3	− 2·6	107	− 18	0	0	3	− 1	0·37	9	− 12	5·9	+0·1	37	1017
9. IRELAND, NORTH ..																3·3	− 1·1	20	1014
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	70	49	65·3	53·4	58·9	− 2·5	118	− 18	0	0	3	− 1	0·37	9	− 6	6·5	− 0·4	42	1019
MEAN: DISTRICTS 1-10																			1016

THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, May 28th to July 29th, 1922.

0. SCOTLAND, NORTH ..	76	36	57·6	46·1	51·5	− 1·8	596	−123	0	− 2	43	+ 7	5·20	133	− 22	4·6	− 0·2	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·8	45·5	52·6	− 2·2	670	−137	0	− 1	34	+ 2	5·18	132	+ 1	5·3	− 0·3	31	1011
2. ENGLAND, N.E. ..	84	38	64·7	48·5	56·1	− 0·5	887	− 28	0	0	28	0	5·40	137	+20	6·1	0·0	37	1013
3. ENGLAND, EAST ..	83	39	65·6	50·3	57·4	− 1·1	972	− 66	0	0	30	+ 2	5·60	143	+32	6·5	− 0·3	40	1015
4. MIDLAND COUNTIES	85	34	66·2	48·4	56·7	− 1·3	926	− 83	0	0	28	0	5·13	132	+13	6·1	+ 0·1	37	1015
5. ENGLAND, S.E. ..	85	33	66·4	50·7	58·0	− 1·1	1007	− 72	0	0	29	+ 3	4·50	115	+10	6·9	− 0·2	43	1016
Western.																			
6. SCOTLAND, WEST ..	82	35	61·2	47·2	53·7	− 2·1	738	−138	0	0	38	+ 4	6·20	158	− 6	—	—	—	1012
7. ENGLAND, N.W. ..	86	36	62·3	49·0	55·2	− 1·9	832	−118	0	0	32	+ 2	5·94	151	+11	6·1	− 0·1	37	1014
8. ENGLAND, S.W. ..	85	33	63·9	49·9	56·5	− 1·4	913	− 91	0	0	33	+ 3	5·40	136	0	6·6	0·0	41	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	80	45	63·4	52·7	57·7	− 1·4	990	− 89	0	0	25	− 4	4·40	113	+ 7	7·5	− 0·3	47	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 30 Weeks, January 1st to July 29th, 1922.

0. SCOTLAND, NORTH ..	76	18	49·2	38·6	43·7	− 1·0	850	−251	489	− 50	143	+ 7	25·09	639	− 31	3·6	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	50·2	37·6	43·6	− 1·4	972	−282	627	+10	125	+ 8	16·88	431	+20	3·9	− 0·3	29	1009
2. ENGLAND, N.E. ..	84	12	52·8	39·7	46·0	− 0·4	1348	− 62	509	+37	110	+ 5	14·80	377	+49	4·5	0·0	34	1011
3. ENGLAND, EAST ..	89	16	54·3	40·9	47·3	− 0·1	1539	−105	431	− 63	109	+ 6	16·00	407	+90	5·0	+ 0·2	38	1013
4. MIDLAND COUNTIES	86	11	54·3	39·5	46·6	− 0·6	1467	−174	496	− 26	113	+11	17·37	442	+87	4·3	0·0	33	1012
5. ENGLAND, S.E. ..	88	17	55·2	41·9	48·3	− 0·1	1635	−115	318	− 61	111	+12	16·57	422	+78	5·1	+ 0·1	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	51·9	39·3	45·3	− 1·3	1145	−245	448	+32	126	+ 2	26·06	663	+59	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	52·4	40·9	46·4	− 0·9	1286	−206	360	− 22	114	+ 4	18·53	472	+27	4·6	+ 0·2	35	1011
8. ENGLAND, S.W. ..	85	13	54·2	42·0	47·9	− 0·5	1503	−159	268	− 33	121	+11	21·57	551	+62	4·9	+ 0·1	38	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	55·4	46·1	50·6	+0·1	1852	− 53	50	− 55	119	+ 4	19·36	493	+94	5·3	− 0·4	41	1014
MEAN: DISTRICTS 1-10..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
4th August, 1922.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 31.

THIRTY-FIRST WEEK.
SUNDAY, JULY 30TH, TO SATURDAY, AUGUST 5, 1922.

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I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week continued to be of a very unsettled character. Rain fell in most places and thunderstorms occurred in Scotland and the northern and eastern parts of England; in Scotland the thunderstorms were in some instances accompanied by hail. The general rainfall for the week was below the normal, but at several stations rather heavy falls were recorded, Ford having 20mm. and Fort William 19mm. on July 30th, Dundee 25mm. on August 2nd, Seskin 35mm., and Kilkenny 24mm. on the 3rd, Sheffield 26mm. on the 4th and Falmouth 25mm. on the 5th. The sunniest day at a large number of stations was July 31st, when several records of between 13 and 14 hours were obtained; amongst the largest amounts being 14·3 hours at St. Leonards, 14·1 hours at Eastbourne, 14·0 hours at Ramsgate and also at Worthing, 13·8 hours at Portsmouth, 13·6 hours at Brighton, 13·3 hours at Guernsey and 13·0 hours at Cranwell. The mean amount of sunshine for the week, however, was below the normal at nearly all stations. The departure of the mean duration from the normal for the week ranged from +1·3 hours at Edinburgh to −4·2 at Scilly. Temperature was low for the time of year, and with a few exceptions, the maximum temperature for the week did not reach 70°F, the actual highest being 73°F at Margate on the 30th. Screen minimum readings below 40°F were registered at a few stations, the lowest being 33°F at Eskdalemuir, while at the same station and also at Renfrew and Porton (Salisbury Plain) frost on the grass was recorded. The mean temperature for the week was below the normal in all districts, the deficit being between 3° and 4°F. A lunar halo was witnessed at Oxford on August 5th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/		m.p.h	m/s		m.p.h	m/s
South	11	7	3·0	8	6	2·8	13	5	2·3	16	4	1·9	19	8	3·5	10	8	3·5	24	7	3·1	—	—	—
North	13	4	1·9	7	3	1·4	7	4	2·0	1	1	0·6	6	4	1·8	11	4	1·6	2	2	1·1	—	—	—
West	19	6	2·8	20	14	6·4	17	6	2·8	19	5	2·4	23	11	4·8	21	10	4·5	16	14	6·3	—	—	—
East	4	6	2·9	4	6	2·5	4	6	2·8	2	11	4·7	3	4	1·9	4	4	1·8	9	3	1·5	—	—	—
Calm (or wind-speed < 4 m.p.h.)	3	—	—	4	—	—	5	—	—	7	—	—	2	—	—	1	—	—	2	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall ..	Moderate	Moderate	Very Light	Moderate	Light	Moderate	Moderate	Light	Moderate	—	—	Moderate
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	—	Moderate	Scanty	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *10* weeks from May 28th, 1922.	Warmth ..	1, 1, 8	1, 1, 8	2, 2, 6	2, 2, 6	2, 2, 6	2, 2, 6	1, 1, 8	2, 0, 8	2, 1, 7	—	—	2, 2, 6
	Rainfall ..	0, 8, 2	1 5, 4	2, 5, 3	4, 4, 2	1, 6, 3	3, 3, 4	3, 5, 2	3, 4, 3	2, 4, 4	—	—	2, 6, 2
	Sunshine ..	4, 3, 3	1, 4, 5	2, 3, 5	2, 3, 5	3, 1, 6	2, 4, 4	—	3, 3, 4	3, 3, 4	—	—	2, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			No. of days of Precipitation	Rainfall in the Week							Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal			Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F
0. SCOTLAND, N.																						
Islands: *t* Lerwick	54	58	2nd	47	1, 3, 5	56·3	47·7	51·7	- 1·5	6	1·17	30	+14									
Islands: *p* Deerness, Orkney	165	58	30th	46	5th	55·6	47·6	51·4	- 2·6	5	0·46	12	- 4	Deerness	4·3	+0·5	26	—	—	—	—	—
Islands: *t* Stornoway	51	59	1st	43	5th	56 7	46·6	51·4	- 3·6	3	0·52	13	- 8	Stornoway	3·2	- 0·8	20	—	—	—	—	—
Islands: *t* Castlebay, Barra I.	37	59	5th	48	31st	55·7	50·6	53·0	—	5	0·50	13	—	Castlebay	6·4	—	40	—	—	—	—	—
Mainland: *t* Wick	81	58	30, 1	43	5th	56·1	46·1	50·8	- 4·1	4	0·43	11	- 5									
Mainland: *a* Strathpeffer	125	66	30th	39	4th	62·3	45·7	53·5	- 3·4	5	0·45	11	- 4									
Mainland: *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
Mainland: *a* Fort Augustus	68	61	2, 5	43	5th	59·0	47·1	52.7	- 4·1	4	0·90	23	+ 4									
Mainland: *p* Fort William	171	71	5th	46	4th	61·3	47·6	54·0	- 3·2	5	1·51	38	+ 5									
1. SCOTLAND, E.																						
t Nairn	82	63	1st	41	5th	60·4	46·3	52·9	- 4·1	4	0·60	15	+ 2	Nairn	5·2	—	32	—	—	—	—	—
p Gordon Castle	101	64	1st	39	5th	60·4	45·7	52·6	- 4·5	5	1·12	28	+12	Gordon Castle	4·9	—	30	—	—	—	—	—
t Aberdeen	46	66	30th	44	1, 5	60·1	46·9	53·1	- 3·8	5	1·01	26	+12	Aberdeen	4·4	- 0·7	27	0	31	—	—	53·1	- 0·8
a Balmoral	930	61	5th	42	31, 1	58·1	43·7	50·5	- 4·0	7	0·80	20	+ 5	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	66	5th	43	30, 3	60·3	45·4	52·4	- 5·7	3	0·33	8	- 11	Crathes	3·5	- 1·3	22	0	35	54·3	—	51·4	—
a Dundee	244	65	3rd	41	30th	61·7	45·7	53·2	- 5·0	4	1·59	40	+24	Dundee	4·6	—	29	0	33	56·6	—	—	—
t Inchkeith (F. of Forth)	190	61	3rd	47	3rd	58·9	49·6	54·0	—	2	0·08	2	—	Inchkeith (F. of Forth)	6·5	—	40	0	44	—	—	—	—
p Edinburgh	441	68	30th	47	30, 3, 5	61·0	47·9	54·1	- 3·2	2	0·05	1	- 13	Edinburgh	6·5	+1·3	40	0	41	—	—	—	—
a West Linton	769	64	5th	46	2nd	59 3	49·0	53·8	- 1·0	4	0·43	11	—	West Linton	—	—	—	0	53	—	—	—	—
a Marchmont	498	65	5th	43	5th	61·0	44·9	52·5	- 4·4	2	0·65	17	+ 1	Marchmont	5·0	- 0·2	31	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	64	3rd	37	4th	60·0	45·7	52·4	—	4	1·41	36	—	Ford (Argyll)	—	—	—	0	31	58·2	—	55·6	—
t Renfrew	49	64	4, 5	36	4th	60·7	45·7	52·8	—	2	0·22	6	—	Renfrew	4·2	—	26	1	29	—	—	—	—
p Rothesay	200	63	4, 5	44	1st	59.1	46·7	52·5	- 5·1	4	0·70	18	- 6	Rothesay	5·5	—	34	0	38	56·9	—	55·0	- 0 7
a Kilmarnock	90	71	4th	40	4th	63·9	47·6	55·3	- 1·5	3	0.47	12	- 8	Kilmarnock	5·0	—	31	—	—	57·0	—	54·6	—
a Colmonell	170	65	5th	46	3, 4	61·0	48·6	54·4	- 2·2	4	0·45	11	- 8	Colmonell	—	—	—	0	41	—	—	—	—
p Dumfries	160	66	4th	44	4th	61·4	48·3	54·5	- 4·1	2	0·28	7	- 12	Dumfries	3·1	—	20	0	36	57·0	- 3·7	54·4	- 3 8
t Eskdalemuir	794	62	4th	33	3rd	59·0	42·9	50·5	—	4	0·68	17	—	Eskdalemuir	3·8	—	24	1	30	—	—	—	—
b, I. OF MAN *h* Douglas	284	63	5th	48	30th	60·0	50·7	55·1	- 2·5	5	0·75	19	0	Douglas	5·5	- 0·7	35	0	44	—	—	—	—
2. ENGLAND, N.E.																						
North: *a* Alnwick Castle	210	66	30th	40	5th	63·8	45·9	54·3	- 3·6	5	0·31	8	- 7	Cockle Park	6 1	+0·5	38	0	37	55·0	- 3·3	54·1	- 1·5
North: *t* Tynemouth	118	64	1st	47	3rd	62·0	49·3	55·3	- 2·9	2	0·09	2	- 11	Tynemouth	—	—	—	0	43	—	—	—	—
North: *p* Durham	336	65	3rd	44	3, 5	61·9	46 0	53·5	- 5·1	3	0·05	1	- 12	Durham	5·3	0·0	34	0	33	—	—	—	—
North: *p* Rounton	249	67	4th	45	31, 3, 5	64·0	47·7	55·4	- 2·6	2	0·26	7	- 7	Rounton	—	—	—	0	35	57·7	—	—	—
North: *a* West Witton	605	68	4th	47	3, 4	62·1	49·1	55·2	—	6	0·34	9	—	West Witton	—	—	—	0	40	56·5	—	53·0	—
North: *h* Scarborough	118	66	2nd	48	31st	63·9	51·4	57·3	- 2·2	1	0·08	2	- 11	Scarborough †	6·4	+0·6	41	—	—	—	—	57·4	—
North: *p* York	56	67	4th	46	31st	64·6	50·9	57·3	- 3·1	3	0·27	7	- 5	York	4·1	- 1·3	26	—	—	57 7	- 2·4	55·3	- 1·7
South: *t* Spurn Head	26	71	3rd	49	31, 3	65·1	51·7	58·0	- 2·3	3	0·09	2	- 8	Spurn Head	6·3	—	41	—	—	—	—	—	—
South: *a* Lincoln	58	68	3, 5	46	31, 3	65·6	50·6	57·7	- 3·3	3	0·16	4	- 8	Lincoln	—	—	—	0	42	58·4	- 3·2	56·8	- 0·8
South: *t* Cranwell	237	67	3rd	45	3rd	63·7	49·6	56·2	- 4·6	1	0·05	1	- 12	Cranwell	6·2	- 0·4	40	0	36	—	—	—	—
														Skegness	6·4	- 0·5	41	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	67	30, 1	46	31st	64·7	50·1	57·0	- 3·3	5	0·14	4	- 6	Cromer	5·7	- 0·9	37	—	—	—	—	—	—
a Little Massingham	277	65	30, -, 3, 4	46	31st	64·1	50·0	56.6	- 3·3	3	0·39	10	- 3	Lit Massingham	6·2	- 0·1	40	—	—	—	—	—	—
t Yarmouth	13	68	31st	48	31, 2	65 3	51·4	57·9	- 2·7	4	0·57	14	+ 3	Yarmouth	6·7	—	43	0	44	61·4	- 2·0	59·7	- 0·4
a Norwich	93	69	30, 3	47	31st	66·4	51·3	58·4	- 2·6	3	0·46	12	+ 1	Norwich	6·2	—	40	0	44	62·2	—	—	—
a Geldeston	37	69	31, 3	46	31, 2	65·9	50·1	57·5	- 3 2	4	0·29	7	- 9	Geldeston	5·1	- 1·7	33	—	—	—	—	—	—
p Cambridge	41	69	5th	44	31, 2	66·7	49·0	57·3	- 4·1	3	0·23	6	- 4	Cambridge	6·3	- 0·4	41	0	36	61·6	- 1·3	58·8	- 0·8
t Clacton-on-Sea	54	70	31st	48	2nd	65 9	52·1	58·6	- 2·8	5	0·38	10	+ 1	Clacton-on-Sea	6·9	- 0·5	45	0	46	61·6	0·0	59·4	- 0·5
a Rothamsted	420	66	30th	44	31, 2	63·9	48·0	55·5	- 4·8	3	0·36	9	- 2	Rothamsted	5·0	- 1·7	32	0	34	59·2	—	—	—
p Tottenham	51	68	31, 2, 3	49	2nd	66·7	54·0	60·0	—	2	0·12	3	—	Tottenham	5·4	—	35	—	—	—	—	—	—
														Southend	6·5	—	42	0	46	62·5	—	—	—
4. MIDLAND COUNTIES.																						
North: *h* Harrogate	479	65	3, 4	47	31, 3	62·9	49·4	55·8	- 2·4	6	0·11	3	- 11	Harrogate	5 6	- 0·1	36	0	42	56 0	- 1·9	55 0	- 1·2
North: *p* Sheffield	429	67	3rd	47	3rd	64·0	50·6	56·9	—	4	1·20	31	—	Sheffield	4·3	- 1·3	28	0	41	57·6	- 1·8	54·7	- 0·7
North: *p* Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
East: *a* Worksop	56	70	3rd	43	3rd	66·6	49·9	57·8	- 2·2	3	0·09	2	- 10	Worksop	4.1	- 1·1	26	0	35	58·3	—	56·1	—
East: *t* Nottingham	82	67	5th	44	3rd	64 9	50·6	57·3	- 3·1	3	0·21	5	- 8	Nottingham	5·0	- 0·8	32	0	39	58·7	- 2·4	57·7	- 0·8
East: *p* Birmingham, Edgbsn.	525	67	5th	46	1st	63·3	49·3	55.9	- 4·2	5	0·35	9	- 4	Birmingham	4·4	- 0·5	28	0	40	54·6	- 1·7	52·3	- 0·8
East: *a* Raunds	213	68	3, 5	43	3rd	66·6	48·7	57·1	- 4·1	3	0·25	6	- 8	Raunds	5·2	—	34	0	38	60·8	—	—	—
East: *p* Oxford	208	66	30,31,5	47	2nd	65·3	49·9	57·1	- 4·3	2	0·26	7	- 5	Oxford	4·0	- 2·4	26	0	40	—	—	—	—
														Malvern	4·4	—	29	0	.3	60·6	—	58·6	—
West: *a* Cheadle (N. Staffs.)	646	65	4, 5	45	31, 1, 3	63·4	48·0	55·2	- 3·3	4	0·46	12	- 5	Cheadle	—	—	—	0	34	—	—	—	—
West: *p* Tenbury	313	66	4th	42	5th	64·3	47·4	55·3	- 4·3	4	0·18	5	- 8	Tenbury	—	—	—	0	39	58·7	—	—	—
West: *a* Hereford	291	67	1st	43	5th	65·0	48·6	56·3	- 4·1	5	0·35	9	- 3	Ross on Wye	3·3	—	22	0	38	59·9	—	59·0	—
West: *a* Clifton	225	66	5th	50	2nd	63·3	52·6	57·6	- 4·9	4	0·78	20	+ 3	Clifton	5·9	—	39	—	—	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	68	5th	40	2nd	64·3	48·4	55·9	- 3·2	5	0·21	5	- 6	Worthing	5·0	- 2·5	33	0	42	62·9	- 1·1	59·2	- 1·0
a Porton	340	66	31, 1	38	2nd	64·6	47·0	55·3	—	5	0·33	8	—	Marlborough	4·1	- 1·9	27	0	36	60·0	—	57·1	—
a Wisley, Surrey	150	70	31st	44	2nd	67.7	50·1	58·4	- 2·8	4	0·18	5	- 4	Porton	—	—	—	1	30	59·9	—	—	—
h Tunbridge Wells	354	69	30th	45	1, 2	65·9	50·4	57·7	- 3·3	5	0·44	11	+ 1	Wisley, Surrey	4·5	- 2·2	29	0	33	61·8	-0·9	58·9	- 0·4
h Margate	51	73	30th	50	1st	67·0	54·1	60·2	- 2·1	3	0·26	7	- 2	Tunbridge Wells	4·5	- 2·5	30	0	33	61·3	—	58·7	—
														Margate	7·3	+ 0·7	47	0	48	65·2	+1·8	62·3	+1·8
t Dungeness	21	67	30th	47	2nd	65·1	53·4	58·9	- 2·5	2	0·12	3	- 5	Folkestone	6·8	—	45	0	41	—	—	59·3	—
h St. Leonards	178	67	30th	48	2nd	64·9	52.3	58·2	- 3·4	3	0·22	5	- 5	St. Leonards	5·7	- 1·7	38	0	42	64·3	—	—	—
p Southampton	64	66	31, 1	47	2nd	64·6	52·4	58·1	- 4·6	4	0·44	11	0	Southampton	3·7	- 3·4	24	0	39	—	—	—	—
a Ventnor	59	65	2nd	51	31, 2	63·9	53·6	58·4	- 3·8	5	0·39	10	+ 1	Ventnor	4·8	- 2·5	31	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	68	30, 3, 5	49	1, 2	66·7	52·6	59·2	- 2·9	4	0·21	5	- 5	Richmond	4·8	- 1·7	31	0	38	61·7	- 0 6	57·9	- 0 4
a Westminster	27	70	31st	47	2nd	67·9	51·3	59·1	- 3·7	4	0·22	6	- 4	Westminster	5·5	- 0·4	36	0	42	—	—	—	—
ag Greenwich	149	73	3rd	46	2nd	69·9	51·6	60·2	- 2·7	5	0·50	13	+ 3	Greenwich	6·0	- 0·5	40	0	34	—	—	—	—
a Hampstead	450	66	31, 2, 3	46	1st	64·6	50.0	56·9	—	4	0· 19	5	—	Hampstead	4·8	—	31	0	39	—	—	—	—
a Camden Square	110	70	5th	48	1, 2	68·0	51·7	59·4	- 4·1	5	0·30	8	- 2	Camden Square	—	—	—	0	45	61·0	—	57·5	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	61	5th	47	30, 3	58·6	48·6	53·3	- 4·7	6	0.62	16	- 8	Aspatria	3·5	- 2·1	22	0	44	55·4	- 4·1	53·2	- 2·1
p Newton Rigg	559	65	4th	44	3rd	61·0	47 3	53·7	- 3·9	5	0·37	9	- 10	Newton Rigg	4·9	- 0·7	31	0	37	—	—	—	—
p Stonyhurst	375	66	4th	50	31, 3	61·9	51·3	56.3	- 2·0	6	0·56	14	- 13	Stonyhurst	4·7	- 0·8	30	0	47	—	—	—	—
h Blackpool	66	66	5th	52	3rd	62 9	53·7	58 0	- 1·2	5	0·26	7	- 13	Blackpool	5·0	- 1·5	32	0	47	59·0	—	55·2	—
h Southport	37	66	5th	51	3rd	62·2	52·7	57·2	- 2·2	5	0·53	13	- 6	Southport	5·2	- 1·2	34	0	48	62·5	- 1·2	60·6	- 0·4
														Hoylake	5·6	- 0·6	36	—	—	—	—	—	—
t Liverpool (Bidston)	188	68	5th	51	1, 3	62·6	52·3	57·1	- 2·8	3	0·09	2	- 15	Liverpool	5·4	—	34	0	45	—	—	—	—
a Hawarden Bridge	22	68	4, 5	50	1, 3	64·6	52·7	58·3	- 2·3	3	0.15	4	- 11	Manchester City	3·6	- 0·9	23	0	47	58·1	- 3·3	57·6	- 1·7
p Manchester (Whit. Pk.)	125	66	4, 5	47	3rd	63·1	50·4	56·4	- 4·0	4	0.28	7	- 13	„ Whit. Pk.	4·2	- 0·6	27	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	68	5th	47	5th	62·3	49·1	55·3	- 4·9	3	0·14	4	- 12	Llandudno	5.0	- 1·4	32	—	—	—	—	—	—
t Holyhead	15	65	4, 5	51	3rd	61·7	52·7	56·9	- 2·0	3	0·30	7	- 10	Holyhead	5·8	—	37	0	42	—	—	—	—
a Aberdovey	60	67	5th	53	30th	61·7	54 4	57·8	—	5	0·55	14	—	Aberdovey	6·2	0·0	40	0	48	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	69	5th	52	30, 5	62·3	53·6	57·7	—	5	0·60	15	—	Aberystwyth	5 0	- 0·9	32	—	—	—	—	—	—
a Rhayader	757	62	4, 5	45	5th	59·3	48·7	53·7	—	7	0·34	9	—	Rhayader ..	4·7	—	30	0	36	—	—	—	—
t Pembroke	149	64	4, 5	53	31-2	59·7	54·7	57·1	- 1·8	3	0·35	9	- 6	Pembroke ..	4·8	- 1·8	32	—	—	—	—	—	—
p Cardiff	202	67	4th	49	3rd	62·9	51·3	56·8	- 3·4	5	0·88	22	+ 2	Cardiff ..	5·6	—	36	0	46	60·8	- 1·3	57·9	- 0·7
b, ENGLAND, S.W.																							
h Bath	66	66	4, 5	47	2nd	65·0	52 6	58·4	- 2·5	4	0·36	9	- 5	Bath	4·7	- 2·1	31	—	—	62·6	—	60·0	—
a Shaftesbury	722	65	3rd	45	1st	62·6	48·9	55·3	- 4·4	5	0·46	12	- 3	Shaftesbury ..	—	—	—	—	—	58·8	—	57·8	—
a Arlington	613	64	5th	51	31st	61·1	56·3	58·6	0·0	6	0·75	19	- 6										
h Newquay	190	64	5th	54	31, 1, 3, 4	60·7	54·6	57·5	- 2·8	4	0·60	15	+ 2	Newquay ..	4·5	- 2·4	30	—	—	61·2	—	58 2	—
a Cullompton	202	68	31st	41	1st	65·1	49·9	57·0	- 3·4	5	0·61	16	0	Cullompton ..	2·8	- 3·4	18	0	36	61·3	—	—	—
t Portland Bill	19	62	31, 5	52	5th	60·9	54·0	57·2	- 3·5	4	0·14	3	- 8	Weymouth ..	4·8	—	32	—	—	—	—	—	—
p Plymouth	116	64	30·1	47	1, 2	63·0	52·7	57·5	- 3·5	6	1·18	30	+14	Plymouth ..	3·6	- 3·2	24	0	41	60·7	- 3·5	58·4	—
h Falmouth	167	64	30-2	48	2nd	61·7	52·9	57·0	- 3·4	3	1·85	47	+30	Falmouth ..	4·2	- 3·1	27	0	42	61·9	—	61·7	—
9. IRELAND, N.																							
t Malin Head	71	59	5th	44	5th	57·4	48·0	52·4	- 4·5	3	0·39	10	- 8	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	70	5th	46	30th	63·0	48·4	55·3	- 1·7	5	0·61	15	- 7	Markree Castle	3·7	- 0 5	23	0	38	59·3	- 1·6	55·8	- 0·8
b, East .. *p* Armagh.. ..	204	65	5th	48	30, 31	61·6	49·9	55·4	- 2·3	4	0·51	13	- 5	Armagh ..	4·0	- 0·3	25	0	44	58·3	- 2·6	55·9	- 1·4
t Donaghadee	35	62	30, 5	46	30th	59·4	49·6	54·2	- 3·4	6	0·52	13	- 4	Trinity Coll.	—	—	—	0	42	59·4	- 1·8	57 0	- 0·9
10. IRELAND, S.														Phœnix Park	5·1	- 0·1	33	0	39	—	—	—	—
p Dublin City	54	66	4th	49	3rd	62·7	51·6	56 8	- 3·4	6	0·69	18	+ 2	Dublin City ..	—	—	—	0	43	—	—	—	—
t Birr Castle	175	68	5th	47	30th	62·3	50·0	55·8	- 2·8	6	0·68	17	- 2	Birr Castle ..	—	—	—	0	40	—	—	—	—
a Kilkenny	195	65	5th	47	30, 1	61 7	49·7	55·3	- 3·7	6	1·23	31	+13										
a Waterford	137	66	th	48	30th	62·6	50·9	56·4	- 3·4	5	1·31	33	+13										
p Seskin, Carrick-on-Suir	542	65	1, 5	46	30th	61·3	49·3	54·9	—	6	1·74	44	—	Seskin ..	4·8	—	31	0	36	—	—	—	—
a Foynes	50	66	5th	50	31, 2	62·4	52·3	57·1	- 2·0	7	0·89	23	+ 3										
t Cahirciveen (Val. Obs.)	30	67	4th	45	3rd	61·7	51·7	56·4	- 2·8	6	1·41	36	+12	Cahirciveen ..	3·1	- 2·0	20	0	42	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	31-2	—	—	62·4	53·4	57·6	- 3·2	4	0·62	16	+ 3	Scilly ..	3·5	- 4·2	23	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	67	4, 5	54	2nd	64 9	56 6	60·5	- 2·2	4	0·26	7	- 5	St. Heliers ..	5 9	- 2·7	39	—	—	—	—	—	—
p Guernsey† ..	173	66	30th	52	1, 2	64·9	54·1	59·2	- 3·0	4	0·63	16	+ 4	Guernsey ..	6·0	- 2·7	40	0	47	64·5	+0·6	61·7	+0·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 5th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h.: Dates of Occurrence.	Duration.	25 to 38 m.p.h.: Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr	hr.	hr.	hr.	o	m.p.h	d. hr.	m.p.h	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	29	1	21	120	26	0	140	25	29 10	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	55	113	0	230	9	30 15	21	10 30 16 40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	5	109	54	0	310	16	2 9	—	— — —
Edinburgh	485	39	31	—	0	—	0	94	45	29	0	250	21	31 13	35	16 30 15 40
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	31	3	52	68	40	5	220	29	31 12	45	20 31 13 5
Paisley	188	81	15	—	0	—	0	19	112	29	8	240	16	1 9	34	15 1 9 10
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	1	104	63	0	210	13	31 14	31	14 31 12 35
South Shields	72	61	12	—	0	—	0	59	97	12	0	280	24	1 13	43	19 31 17 50
Spurn Head	67	41	‡	—	0	31	2	56	93	17	0	260	29	31 17	43	19 31 17 0
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	12	121	35	0	180	18	3 14	28	13 31 13 10
Shoeburyness	103	90	‡	—	0	—	0	27	102	39	0	220	20	31 14	44	19 31 17 50
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	17	103	45	3	250	16	31 15	31	14 31 17 25
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	26	102	40	0	—	21	31 17	32	14 31 16 40
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	31	83	5	49	220	23	31 14	33	15 31 14 5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	6	110	52	0	220	16	31 15	29	13 31 14 35
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	6	115	47	0	230	16	31 16	29	13 31 15 55
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	31, 1	12	73	67	16	0	250	28	1 1	—	— — —
Southport	80	62	48	—	0	31 1, 2.	39	48	63	18	0	240	35	31 14	49	22 31 14 50
Holyhead	60	40	‡	—	0	31	3	86	67	12	0	210	26	31 10	38	17 31 10 0
8. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	31	4	37	99	28	0	240	27	31 13	38	17 31 11 25
Plymouth	185	88	2													
Lyme Regis	556	61	‡				Defective Records.									
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	‡	—	0	31, 1	12	53	89	14	0	250	32	31 11	—	— — —
Quilty	100	40	‡‡	—	0	31	1	50	70	38	9	—	25	31 6	38	17 31 2 25
Cahirciveen (Val. Obs.) ..	98	41	‡‡													
Weaver Pt.	160	30	‡													
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	—	0	31	1	59	97	11	0	270	25	31 11	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W R.] * Above tops of trees.

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIRST WEEK of 1922—July 30th to August 5th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.					mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	71	39	58·6	46·8	52·3	− 3.2	72	− 22	0	0	5	0	0·83	21	− 1	3·7	+0·2	23	1011
Eastern.																			
1. SCOTLAND, EAST ..	66	39	59·8	46·4	52·7	− 4 3	75	− 29	0	0	4	0	0·63	16	+ 1	4·9	− 0 2	30	1012
2. ENGLAND, N.E. ..	71	40	63·8	49 2	56·1	− 3 2	99	− 22	0	0	3	0	0·15	4	− 9	5·7	− 0·1	37	1015
3. ENGLAND, EAST ..	70	44	65·5	50·7	57·6	− 3.3	109	− 23	0	0	4	+ 1	0·33	8	− 2	5 9	− 0 8	38	1017
4. MIDLAND COUNTIES	70	42	64·6	49·4	56·5	− 3·5	101	− 25	0	0	4	+ 1	0·30	8	− 5	4 6	− 1 3	30	1016
5. ENGLAND, S.E. ..	73	38	65·5	51·4	58·0	− 3·6	112	− 25	0	0	4	+ 1	0·28	7	− 3	5 1	− 1 8	34	1017
Western.																			
6. SCOTLAND, WEST ..	71	36	60·9	47·6	53·9	− 3·7	83	− 25	0	0	3	− 1	0 61	16	− 5	—	—	—	1013
7. ENGLAND, N.W. ..	68	44	62·0	50 8	56 1	− 3 0	99	− 21	0	0	4	0	0·32	8	− 12	5·0	− 0·8	32	1015
8. ENGLAND, S.W. ..	68	41	62·1	52·2	56·9	− 3 0	104	− 21	0	0	5	+ 2	0·69	18	+ 1	4·3	− 2·2	28	1017
9. IRELAND, NORTH ..																3·8	− 0·5	24	1013
10. IRELAND, SOUTH ..																			1015
11. ENGLISH CHANNEL..	67	52	64·1	54·7	59·1	− 2·6	120	− 18	0	0	4	+ 1	0·50	13	+ 1	5·1	− 3·2	34	1018
MEAN: DISTRICTS 1-10																			1015

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, May 28th to August 5th, 1922

0. SCOTLAND, NORTH ..	76	36	57·7	46·2	51·5	− 2 0	668	−145	0	− 2	48	+ 7	6 03	154	− 23	4·6	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·7	45·6	52·7	− 2·3	745	−166	0	− 1	38	+ 2	5·81	148	+ 2	5 3	− 0·3	31	1011
2. ENGLAND, N.E. ..	84	38	64·6	48·6	56·1	− 0·8	986	− 50	0	0	31	0	5·55	141	+11	6·0	0.0	37	1014
3. ENGLAND, EAST ..	83	39	65·6	50·3	57·5	− 1·2	1081	− 89	0	0	34	+ 3	5·93	151	+30	6·5	− 0·2	40	1015
4. MIDLAND COUNTIES	85	34	66 0	48·5	56·7	− 1·5	1027	−108	0	0	32	+ 1	5·43	140	+ 8	6 0	0·0	36	1015
5. ENGLAND, S.E. ..	85	33	66·3	50·7	58·0	− 1·4	1119	− 97	0	0	33	+ 4	4·78	122	+ 7	6·7	− 0·4	42	1016
Western.																			
6. SCOTLAND, WEST ..	82	35	61·1	47·2	53·7	− 2·3	821	−163	0	0	41	+ 3	6 81	174	− 11	—	—	—	1013
7. ENGLAND, N.W. ..	86	36	62·3	49·2	55·3	− 2·0	931	−139	0	0	36	+ 2	6·26	159	− 1	6 0	− 0·2	36	1014
8. ENGLAND, S.W. ..	85	33	63·8	50·2	56·5	− 1·6	1017	−112	0	0	38	+ 5	6 09	154	+ 1	6·4	− 0·1	40	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			1016
11. ENGLISH CHANNEL..	80	45	63·5	52·9	57·9	− 1·4	1110	−107	0	0	29	− 3	4·90	126	+ 8	7·2	− 0·7	45	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 31 Weeks, January 1st to August 5th, 1922.

0. SCOTLAND, NORTH ..	76	18	49·5	38·9	44·0	− 1·0	922	−273	489	− 50	148	+ 7	25·92	660	− 32	3·6	0·0	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	50·5	37·9	43·9	− 1·5	1047	−311	627	+10	129	+ 8	17·51	447	+21	4·0	− 0·2	30	1009
2. ENGLAND, N.E. ..	84	12	53·1	40·0	46 3	− 0·5	1447	− 84	509	+37	113	+ 5	14·95	381	+40	4 6	0·0	34	1011
3. ENGLAND, EAST ..	89	16	54·6	41·2	47·6	− 0·2	1648	−128	431	− 63	113	+ 7	16 33	415	+88	5·0	+ 0·1	38	1013
4. MIDLAND COUNTIES	86	11	54·7	39·8	46·9	− 0·7	1568	−199	496	− 26	117	+12	17·67	450	+82	4·3	− 0·1	33	1012
5. ENGLAND, S.E. ..	88	17	55·5	42·2	48·6	− 0·3	1747	−140	318	− 61	115	+13	16·85	429	+75	5·1	0·0	39	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	52 2	39·5	45 6	− 1·3	1228	−270	448	+32	129	+ 1	26·67	679	+54	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	52·7	41·3	46·7	− 0·9	1385	−227	360	− 22	118	+ 4	18·85	480	+15	4·6	+ 0·1	34	1012
8. ENGLAND, S.W. ..	85	13	54.5	42·3	48·2	− 0·6	1607	−180	268	− 33	126	+13	22·26	569	+63	4·9	+ 0·1	37	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			1012
11. ENGLISH CHANNEL..	81	28	55·7	46·4	50·8	− 0·1	1972	− 71	50	− 55	123	+ 5	19·86	506	+95	5·3	− 0·5	41	1014
MEAN: DISTRICTS 1-10 ..																			1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

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11th August, 1922.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 32.

THIRTY-SECOND WEEK.
SUNDAY, AUGUST 6TH, TO SATURDAY, AUGUST 12TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general condition of the weather continued very unsettled in all parts of the country. Rain fell on most days and thunderstorms occurred in many places. The week was notable for the exceptionally heavy falls of rain in various parts of the kingdom during the first few days, when serious floods occurred in the Midland counties and the north-eastern parts of England. At Sheffield 99mm. of rain fell between 0h. and 16h. on the 7th, and a further 8mm. between 16h. on the 7th and 3h. on the 8th, giving a total of 107mm. in twenty-seven hours. At Strelley Hall (Nottingham) from 22h. on the 6th to 7h. on the 7th 83mm. were measured. Upton Wold (Worcestershire) recorded 65mm. between 15h. on the 6th and 9h. on the 7th, and Clifton Hampden, Abingdon, 68mm. from 13h. on the 6th to 6h. on the 7th. Other heavy falls are shown in the following list:—

Oxford	6th.	71mm.	Nottingham	6th.	53mm.	Leeds	7th.	49mm.
Raunds ... ... (Northants)	6th.	67 „	Marlborough	6th.	47 „	Hodsock Priory ... ... (Worksop)	6th.	46 „
Birmingham	6th.	56 „	Porton ... ... (Salisbury Plain)	6th.	45 „		7th.	82 „
Shaftesbury	6th.	56 „	Bradford	7th.	53 „	Harrogate	7th.	47 „
							8th.	62 „

At Hodsock Priory, of the amount recorded on the 7th, 51mm. fell in three hours. The Harrogate rainfall credited to the 8th actually fell during the early morning of the 9th. A few of the stations mentioned above report that the measurements were the largest recorded in twenty-four hours since observations began, Oxford dating back as far as 1815. The total fall for the week was above the normal in all the English districts, the greatest excess being 70mm. in the Midland counties. Temperature continued low for the time of year, and with a few exceptions the maximum temperature for the week failed to reach 70°F., while at a few of the Scottish stations it was below 60°F. A screen minimum temperature of 30°F. was registered at Balmoral on the 12th, and frost on the grass occurred at one or two stations on the same date. The mean temperature for the week was below the normal in all districts. The mean amount of sunshine for the week was scanty in nearly all parts of the country. The departure of the mean duration from the normal for the week ranged from +1·8 hours at Stornoway to -4·6 hours at Worthing. Solar halos were observed at Dublin on the 7th and Oxford on the 8th and 12th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	4	6	2·5	6	7	3·1	11	8	3·7	11	6	2·9	6	10	4·3	9	7	3·0	7	6	2·8	—	—	—
North	16	9	4·1	16	6	2·8	10	7	3·3	9	4	1·8	20	8	3·4	13	6	2·8	13	10	4·6	—	—	—
West	6	4	1·6	10	7	3·2	15	5	2·4	17	5	2·2	10	5	2·2	16	7	3·3	10	9	4·2	—	—	—
East	11	7	3·3	12	9	4·2	6	19	8·5	6	9	4·1	15	11	5·1	5	2	0·9	11	11	4·8	—	—	—
Calm (or wind-speed < 4 m.p.h.)	4	—	—	5	—	—	4	—	—	5	—	—	2	—	—	3	—	—	4	—	—	—	—	—
No record ..	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Deficient	—	—	Deficient
Rainfall ..	Light	Moderate	Very Heavy	Heavy	Very Heavy	Very Heavy	Moderate	Heavy	Very Heavy	—	—	Moderate
Sunshine ..	Abundant	Very Scanty	Very Scanty	Very Scanty	Very Scanty	Very Scanty	—	Very Scanty	Very Scanty	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 11 weeks from May 28th, 1922. Warmth ..	1, 1, 9	1, 1, 9	2, 2, 7	2, 2, 7	2, 2, 7	2, 2, 7	1, 1, 9	2, 0, 9	2, 1, 8	—	—	2, 2, 7
Rainfall ..	0, 8, 3	1, 6, 4	3, 5, 3	5, 4, 2	2, 6, 3	4, 3, 4	3, 6, 2	4, 4, 3	3, 4, 4	—	—	2, 7, 2
Sunshine ..	5, 3, 3	1, 4, 6	2, 3, 6	2, 3, 6	3, 1, 7	2, 4, 5	—	3, 3, 5	3, 3, 5	—	—	2, 3, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878. SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F	° .	°F.		in.	mm	mm		hr.	hr	%		°F.	°F.	°F.	°F.	°F
1. SCOTLAND, N.																							
t Lerwick	54	59	8th	44	12th	55·6	45·9	50·5	- 2·5	2	0·37	9	- 6										
p Deerness, Orkney	165	58	7th	45	7, 11	55·6	47·6	51·4	- 2·4	2	0·24	6	- 9	Deerness	4·1	+0·3	26	—	—	—	—	—	—
a Islands t Stornoway	51	60	7th	43	6th	56·6	47·4	51·7	- 3·1	2	0·71	18	- 2	Stornoway	6·0	+1·8	38	—	—	—	—	—	—
t Castlebay, Barra I.	37	61	6, 7	48	11th	57·9	51·3	54·4	—	3	0·42	11	—	Castlebay	7·6	—	48	—	—	—	—	—	—
t Wick	81	56	7th	40	11th	54·1	47·7	50·7	- 3·9	2	0·04	1	- 14										
a Strathpeffer	125	61	11th	40	11th	58·4	46·7	52·2	- 4·3	5	0·53	13	- 1										
b, Main- p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. a Fort Augustus	68	61	7th	40	6th	58·1	46·9	52·2	- 4·2	6	0·72	18	0										
p Fort William	171	72	6th	45	6, 12	62·9	47·1	54·5	- 2·3	2	0·24	6	- 26										
1. SCOTLAND, E.																							
t Nairn	82	60	10, 11	41	6th	58·1	47·1	52·3	- 4·3	4	0·87	22	+ 8	Nairn	1·7	—	11	—	—	—	—	—	—
p Gordon Castle	101	62	7, 11	43	6, 11	58·6	46·1	52·0	- 4·7	2	0·30	8	- 10	Gordon Castle	2·0	—	12	—	—	—	—	—	—
t Aberdeen	46	61	7th	43	12th	58·0	48·0	52·7	- 3·9	2	0·20	5	- 11	Aberdeen	2·7	- 2·2	17	1	30	—	—	53·2	- 1·0
a Balmoral	930	62	6th	30	12th	55·6	43·6	49·2	- 4·8	5	0·16	4	- 13	Balmoral	—	—	—	1	29	—	—	—	—
p Crieff	432	67	6th	40	7, 12	60·1	45·0	52·1	- 5·5	3	0·50	13	- 9	Crathes	0·8	- 3·8	5	0	31	54·5	—	51·7	—
a Dundee	244	63	7th	38	12th	61·4	45·1	52·8	- 4·9	2	0·37	9	- 10	Dundee	2·2	—	14	0	34	57·1	—	—	—
t Inchkeith (F. of Forth)	190	59	6, 7	48	12th	57·1	49·7	53·2	—	2	0·47	12	—	Inchkeith (F. of Forth)	2·1	—	14	0	42	—	—	—	—
p Edinburgh	441	59	11th	45	7, 12	56·3	47·9	51·9	- 5·1	4	0·51	13	- 3	Edinburgh	1·9	- 3·0	13	0	40	—	—	—	—
a West Linton	769	64	6-8	36	12th	59·1	43·1	50·6	- 3·7	5	0·97	25	—	West Linton	—	—	—	0	52	—	—	—	—
a Marchmont	498	62	11th	40	12th	57·1	45·4	50·9	- 5·6	5	1·60	41	+23	Marchmont	2·4	- 2·4	16	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	63	6, 10	43	6th	60·6	45·4	52·5	—	3	0·62	16	—	Ford (Argyll)	—	—	—	0	35	59·0	—	56·0	—
t Renfrew	49	68	6th	41	6th	60·7	46·1	53·1	—	4	0·71	18	—	Renfrew	3·1	—	20	0	32	—	—	—	—
Rothesay	200	65	6th	45	11th	59·4	49·0	53·9	- 3·5	4	0·90	23	- 3	Rothesay	3·8	—	24	0	39	57·4	—	53·0	- 3·0
a Kilmarnock	90	72	6th	45	11, 12	62·6	48·3	55·0	- 1·5	5	1·16	29	+ 7	Kilmarnock	3·4	—	22	—	—	57·1	—	54·8	—
a Colmonell	170	68	6th	45	11th	61·6	48·9	54·9	- 1·5	3	0·59	15	- 6	Colmonell	—	—	—	0	43	—	—	—	—
p Dumfries	160	67	6th	43	10th	59·6	48·0	53·5	- 4·7	4	0·59	15	- 5	Dumfries	3·1	—	20	0	37	57·4	- 3·5	54·9	- 3·5
t Eskdalemuir	794	65	6th	36	12th	56·7	43·6	49·8	—	5	0·83	21	—	Eskdalemuir	2·0	—	13	1	30	—	—	—	—
b, I. OF MAN h Douglas	284	64	6th	47	10th	58·9	50·3	54·3	- 3·1	5	0·82	21	0	Douglas	2·6	- 3·4	17	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	65	6, 7, 9, 12	38	12th	64·3	44·9	54·0	- 3·3	4	0·85	22	+ 6	Cockle Park	2·5	- 2·7	17	0	36	54·6	- 4·0	54·1	- 1·8
t Tynemouth	118	61	6th	44	12th	56·6	49·1	52·6	- 5·1	4	1·36	35	+20	Tynemouth	—	—	—	0	39	—	—	—	—
a North p Durham	336	60	6th	39	12th	57·1	45·6	51·0	- 7·0	4	1·70	43	+29	Durham	2·0	- 3·0	13	0	33	—	—	—	—
p Rounton	249	65	6th	42	12th	59·1	47·6	53·0	- 4·4	4	1·76	45	+29	Rounton	—	—	—	0	32	56·6	—	—	—
a West Witton	605	64	6, 9	38	12th	58·4	45·4	51·5	—	6	1·73	44	—	West Witton	—	—	—	0	32	54·9	—	53·1	—
h Scarborough	118	61	11th	47	12th	58·0	50·7	54·1	- 4·9	4	1·86	47	+32	Scarborough †	2·4	- 3·1	16	—	—	—	—	57·7	—
p York	56	66	6th	43	12th	60·4	49·0	54·4	- 5·3	5	3·19	81	+67	York	2·5	- 2·6	16	—	—	57·8	- 2·6	55·8	- 1·5
t Spurn Head	26	65	6, 11	50	11th	61·0	52·0	56·2	- 3·6	5	0·51	13	+ 2	Spurn Head	2·8	—	18	—	—	—	—	—	—
b, South a Lincoln	58	67	6th	44	12th	61·0	49·4	54·9	- 5·4	5	1·97	50	+37	Lincoln	—	—	—	0	41	57·5	- 4·4	56·9	- 1·2
t Cranwell	237	65	6th	42	12th	60·0	48·1	53·7	- 6·5	6	2·37	60	+46	Cranwell	2·1	- 4·1	14	0	33	—	—	—	—
														Skegness	3·0	- 3·5	20	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	65	8, 9	46	12th	62·8	49·4	55·7	- 4·4	5	0·41	10	- 1	Cromer	4·3	- 1·9	28	—	—	—	—	—	—
a Little Massingham	277	64	6, 8	44	6th	60·7	48·3	54.1	- 5·4	6	0·56	14	- 1	Lit Massingham	2·8	- 3·1	18	—	—	—	—	—	—
t Yarmouth	13	64	12th	47	12th	62·0	52·0	56·7	- 3·7	4	0·18	5	- 8	Yarmouth	3·5	—	23	0	42	60·4	- 3·4	59·0	- 1·4
a Norwich	93	69	8th	44	12th	63·9	48·9	56·0	- 4·7	5	0·21	5	- 8	Norwich	3·3	—	22	0	40	60·7	—	—	—
a Geldeston	37	68	8th	43	6th	63·5	49·1	55·9	- 4·5	4	0·49	13	+ 2	Geldeston	3·1	- 3·1	20	—	—	—	—	—	—
p Cambridge	41	69	8th	41	12th	63·3	48·0	55·2	- 5·8	5	1·76	45	+33	Cambridge	2·3	- 3·9	15	0	34	60·4	- 2·8	58·9	- 1·0
t Clacton-on-Sea	54	68	9th	48	11th	63·3	54·0	58·4	- 2·8	5	0·30	8	- 2	Clacton-on-Sea	3·1	- 3·7	21	0	44	60·5	1·7	59·5	- 0·8
a Rothamsted	420	68	8th	44	12th	61·6	48·6	54·7	- 5·2	5	1·39	35	+22	Rothamsted	2·6	- 3·5	17	0	34	57·6	—	—	—
p Tottenham	51	67	8, 9	47	11th	64·3	52·7	58·2	—	6	1·57	40	—	Tottenham	2·5	—	17	—	—	—	—	—	—
														Southend	2·8	—	19	0	46	60·7	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	63	6th	40	10th	56·4	45·4	50·6	- 7·4	6	5·12	130	+116	Harrogate	1·8	- 3·6	12	0	36	55·0	- 3·1	55·1	- 1·4
a, North p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
p Buxton	987	64	6th	39	10th	57·4	44·7	50·7	- 5·9	7	2·60	66	+45	Buxton	2·3	—	15	0	32	54·7	- 4·5	54·2	- 1·1
a Worksop	56	69	6th	38	12th	61·4	46·7	53·6	- 6·1	5	5·49	139	+117	Worksop	2·7	- 2·2	18	0	35	57·7	—	56·1	—
t Nottingham	82	67	8th	43	12th	60·1	48·7	54·1	- 5·9	6	4·00	101	+89	Nottingham	2·4	- 3·2	16	0	41	56·6	- 4·8	57·3	- 1·7
b, East p Birmingham, Edgbsn.	525	66	6th	44	10th	60·0	48·3	53.8	- 6·0	5	3·27	83	+70	Birmingham	2·2	- 2·6	14	0	38	54·0	- 2·5	52·4	- 1·1
a Raunds	213	67	6, 8	43	12th	62·6	47·9	54·8	- 6·1	6	3·32	84	+71	Raunds	3·1	—	21	0	38	59·2	—	—	—
p Oxford	208	68	8th	47	10th	63·7	49·4	56·1	- 5·0	6	3·94	100	+88	Oxford	3·2	- 2·9	22	0	42	—	—	—	—
														Malvern	2·4	—	16	0	42	59·3	—	58·4	—
a Cheadle (N. Staffs.)	646	66	6th	42	10th	59·6	46·1	52·5	- 5·7	5	2·77	70	+53	Cheadle	—	—	—	0	33	—	—	—	—
e, West p Tenbury	313	65	6, 8	41	10th	61·6	47·7	54·2	- 5·0	6	1·04	26	+12	Tenbury	—	—	—	0	36	57·7	—	—	—
a Hereford	291	64	6th	43	11th	62·0	48·4	54·8	- 5·3	—	—	—	—	Ross on Wye	2·0	—	13	0	39	59·3	—	58·5	—
a Clifton	225	64	7,10,11	46	10th	61·9	51·3	56·3	- 5·9	6	2·33	59	+42	Clifton	2·6	—	17	—	—	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	67	8th	41	10th	62·7	48·3	55·1	- 3·8	5	2·94	75	+63	Worthing	2·6	- 4·6	17	0	45	61·6	- 2·7	59·4	- 1·2
a Porton	340	67	8th	39	10th	63·5	47·6	55·1	—	6	3·19	81	—	Marlborough	2·9	- 2·8	19	0	39	59·4	—	57·1	—
a Wisley, Surrey	150	70	8th	42	11th	64.9	49·3	56·6	- 4·4	7	0·91	23	+14	Porton	—	—	—	0	34	59·5	—	—	—
h Tunbridge Wells	354	67	7, 8	40	11th	63·6	50·3	56·6	- 4·3	5	0·67	17	+ 6	Wisley, Surrey	3·0	- 3·4	e20	0	34	60·3	- 2·7	58·8	- 0·8
h Margate	51	68	7th	51	12th	64·0	54·7	59·1	- 3·2	5	0·80	20	+11	Tunbridge Wells	2·7	- 3·9	18	0	31	60·2	—	58·8	—
														Margate	3·3	- 3·0	22	0	48	62·7	- 1·2	62·5	+1·6
t Dungeness	21	65	12th	51	12th	63·0	55·0	58·8	- 2·7	5	0·36	9	0	Folkestone	2·9	—	20	0	40	—	—	59·7	—
h St. Leonards	178	65	7th	49	11th	62·7	53.0	57·6	- 4·0	5	0·62	16	+ 5	St. Leonards	2·5	- 4·5	17	0	43	62·2	—	59·9	—
p Southampton	64	67	8th	50	10th	64·6	53·1	58·5	- 4·0	6	1·72	44	+32	Southampton	4·5	- 2·2	30	0	42	—	—	—	—
a Ventnor	59	66	8th	50	10th	63·6	53·6	58·3	- 4·0	6	0·93	23	+14	Ventnor	4·7	- 2·1	32	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	69	8th	46	11th	64·6	52·0	57·9	- 3·9	6	1·06	27	+17	Richmond	2·7	- 3·5	18	0	38	60·4	- 2·2	58·1	- 0·5
a Westminster	27	—	—	—	—	—	—	—	—	7	1·16	29	+19	Westminster	2·2	- 3·5	14	—	—	—	—	—	—
ae Greenwich	149	71	8th	44	11th	66·9	50·9	58·4	- 4·3	5	1·26	32	+22	Greenwich	2·4	- 3·9	16	0	32	—	—	—	—
a Hampstead	450	68	8th	48	11, 12	62·6	50.9	56·4	—	7	1·18	30	—	Hampstead	2·3	—	15	0	39	—	—	—	—
a Camden Square	110	71	8th	46	11th	65·9	51·3	58·2	- 5·1	6	1·41	36	+26	Camden Square	—	—	—	0	44	59·6	—	57·4	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	6th	40	7th	57·3	49·0	52·9	- 5·0	4	0·79	20	- 2	Aspatria	1·1	- 4·1	7	0	38	54·0	- 5·4	53·3	- 2·3
p Newton Rigg	559	66	6th	38	10th	57·7	44·4	50·7	- 6·5	4	0·74	19	+ 1	Newton Rigg	1·5	- 3·7	10	0	31	—	—	—	—
p Stonyhurst	375	67	6th	42	10th	60·3	48·4	54.0	- 4·0	6	3·41	87	+62	Stonyhurst	3·3	- 1·8	22	0	39	—	—	—	—
h Blackpool	66	68	6th	47	11, 12	60·3	49·6	54·6	- 4·4	6	1·96	50	+32	Blackpool	2·5	- 3·5	17	0	41	57·6	—	55·4	—
h Southport	37	70	6th	47	11th	59·7	49·6	54·4	- 4·8	6	1·46	37	+19	Southport	3·2	- 2·8	21	0	40	60·0	- 3·6	60·1	- 1·1
														Hoylake	2·7	- 3·0	18	—	—	—	—	—	—
t Liverpool (Bidston)	188	69	6th	48	12th	59·3	51·0	54·9	- 4·8	4	1·00	25	+ 9	Liverpool	2·8	—	18	0	46	—	—	—	—
a Hawarden Bridge	22	70	6th	47	12th	61·7	51·0	56·0	- 4·5	5	1·34	34	+20	Manchester City	2·5	- 1·7	16	0	39	57·8	- 3·7	57·8	- 2·0
p Manchester (Whit. Pk.)	125	69	6th	41	10th	61·6	48·9	54·9	- 5·3	6	2.19	56	+38	„ Whit. Pk.	2·4	- 2·0	16	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	68	6th	42	12th	60·6	47·1	53·5	- 6·5	4	0·56	14	- 1	Llandudno	2.2	- 3·7	15	—	—	—	—	—	—
t Holyhead	15	66	6th	52	3, 7, 11	60·3	52·7	56·3	- 2·6	4	0·52	13	- 3	Holyhead	5·0	—	33	0	46	—	—	—	—
a Aberdovey	60	65	6th	49	10, 11	62·1	52·1	56·8	—	4	1·73	44	—	Aberdovey	3·0	- 2·8	20	0	44	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked e a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	68	6th	46	10,11	62·4	50·9	56·3	—	4	1·81	46	—	Aberystwyth	3·5	- 2·2	23	—	—	—	—	—	—
a Rhayader	757	62	6th	41	10th	59·1	46·6	52·5	—	6	0·88	22	—	Rhayader ..	2·3	—	15	0	31	—	—	—	—
t Pembroke	149	63	7th	50	10th	60·9	52·6	56·5	- 2·7	4	1·01	26	+11	Pembroke ..	4·0	- 2·4	27	—	—	—	—	—	—
p Cardiff	202	64	7th	45	10th	61·4	51·3	56·1	- 4·2	5	1·71	43	+24	Cardiff ..	3·1	—	21	0	42	60·1	- 2·5	57·9	1·1
b, ENGLAND, S.W.																							
h Bath	66	68	8th	45	10th	63·7	50·6	56·8	- 4·1	5	2·10	53	+39	Bath	2·4	- 4·0	16	—	—	61·7	—	60·0	—
a Shaftesbury	722	65	10th	45	10, 11	60·3	48·7	54·2	- 5·5	6	3·00	76	+62	Shaftesbury ..	—	—	—	—	—	57·6	—	56·7	—
a Arlington	613	64	6, 7, 10	42	11th	62·1	49·1	55·2	- 3·5	4	2·31	59	+35										
h Newquay	190	66	7th	49	8, 10, 11	62·2	52·4	57·0	- 3·5	5	1·25	32	+20	Newquay ..	5·0	- 1·6	34	—	—	61·1	—	58·3	—
a Cullompton	202	69	11th	41	10th	65·3	50·3	57·4	- 3·0	5	2·37	60	+45	Cullompton ..	4·1	- 1·9	27	0	37	60·7	—	—	—
t Portland Bill	19	64	11th	52	10th	62·0	53·7	57·6	- 3·4	5	1·20	31	+21	Weymouth ..	5·4	—	37	—	—	—	—	—	—
p Plymouth	116	66	6, 11	50	10, 11	64·0	52·9	58·1	- 3·0	6	1·24	31	+17	Plymouth ..	4·5	- 2·1	30	0	42	60·6	- 3·8	58·2	—
h Falmouth	167	68	6th	51	8th	64·3	53·4	58·5	- 2·0	6	1·10	28	+12	Falmouth ..	4·9	- 2·1	33	0	44	62·8	—	61·6	—
9. IRELAND, N.																							
t Malin Head	71	61	6th	48	11th	58·4	51·4	54·7	- 2·4	4	0·60	15	- 6	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	67	6, 7	43	10th	62·9	48·9	55·5	- 1·5	4	0·94	24	- 1	Markree Castle	3·0	- 1·3	19	0	36	59·0	- 2·2	56·0	- 0·9
b, East .. *p* Armagh..	204	67	6th	44	10th	61·9	48·6	54·9	- 2·8	3	0·37	9	- 12	Armagh ..	3·4	- 0·9	22	0	37	58·8	- 2·3	56·2	- 1·4
t Donaghadee	35	63	6th	47	10th	59·3	50·7	54·7	- 3·0	5	0·27	7	- 13										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	42	58·6	- 2·8	56·8	- 1·4
p Dublin City	54	66	12th	49	10, 11	61·0	51·7	56·1	- 3·8	4	0·50	13	- 5	Phœnix Park	2·3	- 3·2	15	0	39	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Dublin City ..	—	—	—	0	44	—	—	—	—
a Kilkenny	195	68	12th	45	11th	62·6	50·4	56·1	- 2·6	5	1·05	27	+ 7	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Waterford	137	68	12th	48	11th	63·3	52·1	57·4	- 2·2	5	1·51	38	+16										
p Seskin, Carrick-on-Suir	542	66	7, 12	47	11th	62·3	50·4	56·0	—	6	1·53	39	—	Seskin ..	3·4	—	22	0	40	—	—	—	—
a Foynes	50	67	7th	47	10th	62·6	52·3	57·1	- 1·8	5	0·43	11	- 11										
t Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	65	6, 7	50	8th	63·4	53·1	57·9	- 3·1	6	0·57	15	+ 1	Scilly ..	5·8	- 1·6	39	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	69	12th	49	11th	67·0	55·1	60·7	- 2·3	4	0·67	17	+ 4	St. Heliers ..	7·3	- 0·9	50	—	—	—	—	—	—
p Guernsey† ..	173	68	7th	52	11th	66·0	55·1	60·2	- 2·3	5	0·56	14	+ 1	Guernsey ..	7·5	- 0·8	50	0	46	64·2	- 0·2	62·0	+0·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 12th, 1922.

District and Station.	Height: Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N	Speed. m.p.h	Speed. m/s.	Mid Time. hr.	Highest Gust. Speed m.p.h	Speed m/s	Time. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	hr.	m.p.h	m/s	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	53	72	30	13	{ 30 20	18	8	9 8 9	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	0	88	80	0	360	10	5	9 12	25	11	9	14	5
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	28	113	27	0	50	20	9	8 10	—	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	51	74	43	0	50	22	10	8 19	39	17	8	22	15
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	8	1	62	41	64	0	30	25	11	8 13	38	17	9	10	10
Paisley	188	81	15	—	0	—	0	14	118	36	0	180	14	6	12 12	30	13	8	11	10
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	0		0	12	89	67	0	360	18	8	9 14	34	15	9	13	25
South Shields	72	61	12	—	0	—	0	61	83	19	5	50	24	11	9 3	34	15	9	13	40
Spurn Head	67	41	‡	—	0	7, 9, 12	21	57	78	12	0	60	31	14	7 12	43	19	7	13	5
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	6, 7	9	47	84	28	0	60	28	12	6 22	36	16	6	22	10
Shoeburyness	103	90	‡	—	0	6	1	67	60	12	28	90	25	11	6 21	39	18	9	14	40
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	0	—	0	15	54	26	53	220	23	10	12 16	36	16	12	16	15
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	58	76	34	0	—	20	9	12 22	32	14	12	16	15
Larkhill, S'y Plain ..	513	63	43	—	0	12	3	67	81	8	9	210	26	12	12 15	34	15	12	14	55
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	36	88	44	0	70	17	8	6 11	30	14	12	19	10
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	6	125	37	0	210	16	7	12 17	31	14	12	17	15
7. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	7	2	41	111	14	0	20	28	13	7 15	—	—	—	—	—
Southport	80	62	48	—	0	7	1	37	104	26	0	50	25	11	7 12	35	16	7	9	30
Holyhead	60	40	‡	—	0	7, 9	5	81	65	17	0	50	26	12	7 19	36	16	12	12	50
8. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	—	0	12	7	24	90	47	0	220	34	15	12 13	47	21	12	10	5
Plymouth	185	88	2	—	0	12	8	16	115	29	0	—	31	14	12 11	40	18	12	11	40
Lyme Regis	556	61	‡				Defective Records.													
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	0	7, 8	8	63	70	27	0	70	26	12	7 21	—	—	—	—	—
Quilty	100	40	‡	—	0	—	0	8	118	42	0	—	14	6	12 17	31	14	7	13	30
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—	—
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—	—
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	—	0	12	3	41	96	25	3	220	28	13	12 8	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SECOND WEEK of 1922—August 6th to August 12th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.	hr	hr.	%	mb.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.									
0. SCOTLAND, NORTH ..	72	40	57·6	46·9	52·0	− 3·2	70	− 22	0	0	3	− 2	0·43	11	− 11	5 1	+1·4	32	1015
Eastern.																			
1. SCOTLAND, EAST ..	67	30	58·0	46·0	51·6	− 5 0	67	− 35	0	0	3	− 1	0·63	16	− 2	1·9	− 2·8	12	1015
2. ENGLAND, N.E. ..	67	38	59·7	48·5	53·8	− 4·9	83	− 34	0	0	5	+ 1	1·73	44	+30	2·4	− 3·1	16	1013
3. ENGLAND, EAST ..	69	41	62·8	50·1	56·1	− 4·5	99	− 31	0	0	5	+ 2	0·76	19	+ 7	3·0	− 3·1	20	1013
4. MIDLAND COUNTIES	69	38	60·9	48·0	54·1	− 5·6	85	− 39	0	0	6	+ 3	3·27	83	+70	2 4	− 3 2	16	1012
5. ENGLAND, S.E. ..	70	39	63·7	51·7	57·4	− 4·1	108	− 28	0	0	6	+ 3	1·32	34	+24	3·2	− 3·4	21	1013
Western.																			
6. SCOTLAND, WEST ..	72	41	60·5	48 0	53·9	− 3·4	83	− 24	0	0	4	0	0·77	20	− 3	—	—	—	1014
7. ENGLAND, N.W. ..	70	38	59·9	49·1	54·2	− 4·7	85	− 33	0	0	5	+ 1	1·36	35	+16	2·4	− 3·0	16	1013
8. ENGLAND, S.W. ..	69	41	62·3	50·9	56·3	− 3·7	100	− 26	0	0	5	+ 1	1·69	43	+27	3·8	− 2·4	26	1013
9. IRELAND, NORTH ..																3·2	− 1·1	21	1013
10. IRELAND, SOUTH ..																			
11. ENGLISH CHANNEL..	69	49	65·5	54·4	59·6	− 2·4	123	− 17	0	0	5	+ 2	0·60	15	+ 1	6·9	− 1·1	46	1014
MEAN: DISTRICTS 1-10																			

THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, May 28th to August 12th, 1922.

0. SCOTLAND, NORTH ..	76	36	57·7	46·2	51·6	− 2·0	738	−167	0	− 2	51	+ 5	6·46	165	− 34	4·6	0·0	26	1012
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·4	45·6	52·6	− 2·5	812	−201	0	− 1	41	+ 1	6·44	164	0	5·0	− 0·5	29	1012
2. ENGLAND, N.E. ..	84	38	64·2	48·6	55·9	− 1·1	1069	− 84	0	0	36	+ 1	7·28	185	+41	5·7	− 0·3	35	1014
3. ENGLAND, EAST ..	83	39	65·4	50·3	57·3	− 1·6	1180	−120	0	0	39	+ 5	6·69	170	+37	6·2	− 0·5	38	1015
4. MIDLAND COUNTIES	85	34	65·6	48·5	56·4	− 2·0	1112	−147	0	0	38	+ 4	8·70	223	+78	5 6	− 0·4	35	1014
5. ENGLAND, S.E. ..	85	33	66·0	50·8	57·9	− 1·7	1227	−125	0	0	39	+ 7	6·10	156	+31	6 4	− 0 6	40	1015
Western.																			
6. SCOTLAND, WEST ..	82	35	61·1	47·3	53·8	− 2·3	904	−187	0	0	45	+ 3	7·58	194	− 14	—	—	—	1013
7. ENGLAND, N.W. ..	86	36	62·1	49·2	55·2	− 2·2	1016	−172	0	0	41	+ 3	7·62	194	+15	5·7	− 0·4	34	1014
8. ENGLAND, S.W. ..	85	33	63·6	50·2	56·5	− 1·8	1117	−138	0	0	43	+ 6	7·78	197	+28	6·2	− 0·3	38	1016
9. IRELAND, NORTH ..																			1013
10. IRELAND, SOUTH ..																			
11. ENGLISH CHANNEL..	80	45	63·7	53·1	58·0	− 1·6	1233	−124	0	0	34	− 1	5·50	141	+ 9	7·2	− 0·7	45	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 32 Weeks, January 1st to August 12th, 1922.

0. SCOTLAND, NORTH ..	76	18	49·8	39·1	44·3	− 1·0	992	−295	489	− 50	151	+ 5	26·35	671	− 43	3·6	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	50 7	38·1	44·2	− 1·5	1114	−346	627	+10	132	+ 7	18·14	463	+19	3·9	− 0·3	29	1009
2. ENGLAND, N.E. ..	84	12	53·3	40·3	46·5	− 0·7	1530	−118	509	+37	118	+ 6	16·68	425	+70	4·5	− 0·1	34	1012
3. ENGLAND, EAST ..	89	16	54·9	41·5	47·9	− 0·3	1747	−159	431	− 63	118	+ 9	17·09	434	+95	5·0	+ 0·1	37	1013
4. MIDLAND COUNTIES	86	11	54·9	40·1	47·2	− 0·8	1653	−238	496	− 26	123	+15	20·94	533	+152	4·3	− 0·1	32	1012
5. ENGLAND, S.E. ..	88	17	55·8	42·5	48·9	− 0·4	1855	−168	318	− 61	121	+16	18·17	463	+99	5·1	0·0	38	1013
Western.																			
6. SCOTLAND, WEST ..	82	15	52·4	39·8	45·9	− 1·3	1311	−294	448	+32	133	+ 1	27·44	699	+51	—	—	—	1010
7. ENGLAND, N.W. ..	86	20	52·9	41·5	47·0	− 1·0	1470	−260	360	− 22	123	+ 5	20·21	515	+31	4·5	0·0	34	1012
8. ENGLAND, S.W. ..	85	13	54·7	42·6	48·4	− 0·7	1707	−206	268	− 33	131	+14	23·95	612	+90	4·9	0·0	37	1013
9. IRELAND, NORTH ..																			1010
10. IRELAND, SOUTH ..																			
11. ENGLISH CHANNEL..	81	28	56·0	46·6	51·1	− 0·2	2095	− 88	50	− 55	128	+ 7	20·46	521	+96	5·4	− 0·4	41	1014
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
18th August, 1922.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 33.

THIRTY-THIRD WEEK.

SUNDAY, AUGUST 13TH, TO SATURDAY, AUGUST 19TH, 1922.

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METEOROLOGICAL OFFICE LIBRARY 129

I.—GENERAL SUMMARY. [First published in 1878.]

There was a considerable improvement in the weather over the British Islands generally during the past week, and with the exception of Scotland N. and Scotland W. the total rainfall for the week was below the normal. Several good records of sunshine were obtained on various days, a number of stations registering more than 12 hours. Amongst the largest measurements were 13·3 hours at Inchkeith on the 13th, 13·5 hours at Guernsey on the 15th, 13·7 at Eastbourne on the 16th and 13·3 hours at Rothesay (Bute) on the 18th. The departure of the mean duration from the normal for the week ranged from +2·2 hours at York to −3·0 hours at Scilly. The highest of the maximum temperatures occurred on various dates, and at a few stations readings above 70°F. were recorded, the highest being 72°F. at Alnwick Castle (Northumberland), and 73°F. at Aberdeen on the 19th. Screen minima below 40°F. were registered in places, the lowest readings being 37°F. at Balmoral on the 13th and at Tenbury (Worcester) on the 15th. The mean temperature for the week was below the normal in all districts, the deficit being about 2° or 3°F. The mean daily range of temperature was about 18°F. at several stations, notably in the eastern parts of England. Amongst the heaviest falls of rain, which occurred about the middle of the week, were 27 mm. at Ford (Argyll), 24mm. at Fort William and 19mm. at Rothesay on the 15th, 26mm. at Lancaster, 23mm. at Blackpool, 21mm. at Aberdovey and 20mm. at Eskdalemuir and also at Stonyhurst on the 16th and 17mm. at Stornoway on the 17th. Solar halos were observed at Birmingham, Norwich and Tenbury on the 13th, at Ross-on-Wye on the 13th and 15th, at Richmond (Kew Observatory) on the 14th, at Dublin on the 15th and at Oxford on each day from the 13th to 17th inclusive.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	16	9	3·9	13	7	3·0	9	6	2·9	11	6	2·6	16	11	5·1	7	10	4·6	24	9	3·8	—	—	—
North	9	5	2·2	4	4	1·7	11	5	2·1	10	3	1·3	5	4	1·8	18	7	3·0	1	2	0·7	—	—	—
West	19	11	4·7	26	15	6·5	17	7	3·1	19	6	2·9	25	13	5·7	23	11	5·1	23	15	6·9	—	—	—
East	6	5	2·4	0	—	—	4	6	2·6	0	—	—	0	—	—	1	1	0·4	4	4	1·6	—	—	—
Calm (or wind-speed < 4 m.p.h.)	1	—	—	2	—	—	6	—	—	5	—	—	1	—	—	3	—	—	0	—	—	—	—	—
No record ..	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall ..	Heavy	Light	Light	Light	Light	Light	Moderate	Light	Light	—	—	Moderate
	Sunshine ..	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	—	Moderate	Scanty	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *12* weeks from May 28th, 1922.	Warmth ..	1, 1, 10	1, 1, 10	2, 2, 8	2, 2, 8	2, 2, 8	2, 2, 8	1, 1, 10	2, 0, 10	2, 1, 9	—	—	2, 2, 8
	Rainfall ..	1, 8, 3	1, 6, 5	3, 5, 4	5, 4, 3	2, 6, 4	4, 3, 5	3, 7, 2	4, 4, 4	3, 4, 5	—	—	2, 8, 2
	Sunshine ..	6, 3, 3	1, 5, 6	3, 3, 6	2, 4, 6	3, 2, 7	2, 5, 5	—	3, 4, 5	3, 3, 6	—	—	2, 3, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Mean for the Week: Of Daily Min.	Mean for the Week: Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	57	14, 15	43	19th	55·3	47·9	51·4	- 1·2	7	1·23	31	+15										
p Deerness, Orkney	165	59	19th	47	18th	56·9	49·1	52·8	- 0·5	6	1·14	29	+13	Deerness	5·1	+0·9	33	—	—	—	—	—	—
a Islands — *t* Stornoway	51	63	19th	47	13, 14	58·6	48·4	53·2	- 1·1	7	1·78	45	+23	Stornoway	4·7	+0·1	31	—	—	—	—	—	—
t Castlebay, Barra I.	37	58	13th	49	14th	56·1	51·4	53·6	—	7	0·61	16	—	Castlebay	4·6	—	31	—	—	—	—	—	—
t Wick	81	67	19th	43	14th	58·6	46·9	52·4	- 1·7	7	1·01	26	+11										
a Strathpeffer	125	67	19th	44	13, 14	62·7	48·0	54·9	- 1·0	5	0·70	13	+ 4										
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
land. *h* Inverness		66	19th	45	13th	61·1	47·4	53·8	—	4	0·24	6	—										
a Fort Augustus	68	61	13, 17	44	19th	59·7	47·4	53·2	- 2·7	6	0·60	15	- 4										
p Fort William	171	64	13th	47	14th	58·6	48·1	53·0	- 3·3	7	2·22	56	+22										
1. SCOTLAND, E.																							
t Nairn	82	69	19th	45	14, 17	61·9	47·1	54·1	- 1·7	5	0·52	13	- 2	Nairn	3·9	—	26	—	—	—	—	—	—
p Gordon Castle	101	69	19th	45	14th	62·3	47·4	54·4	- 1·5	6	0·50	13	- 6	Gordon Castle	3·9	—	26	—	—	—	—	—	—
t Aberdeen	46	73	19th	46	13th	64·0	48·9	56·0	+0·2	5	0·44	11	- 6	Aberdeen	3·9	- 1·0	26	0	34	—	—	53·1	- 1·3
a Balmoral	930	69	19th	37	13th	60·0	42·1	50·5	- 2·6	3	0·40	10	- 9	Balmoral	—	—	—	0	32	—	—	—	—
p Crieff	432	68	19th	41	14th	61·3	45·7	53·0	- 3·8	4	0·37	9	- 17	Crathes	4·4	- 0·1	29	0	35	53·9	—	51·6	—
a Dundee	244	68	19th	39	14th	62·7	44·4	53·0	- 3·8	4	0·38	10	- 11	Dundee	5·6	—	37	0	32	55·3	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	61	19th	47	14th	59·1	49·9	54·2	—	2	0·14	4	—	(F. of Forth)	6·3	—	42	0	44	—	—	—	—
p Edinburgh	441	63	19th	45	14th	60 7	48·4	54·2	- 2·1	3	0·28	7	- 11	Edinburgh	3·9	+1·0	39	0	40	—	—	—	—
a West Linton	769	61	19th	38	14, 19	58·7	43·9	50·9	- 2·6	6	0·59	15	—	West Linton	—	—	—	0	33	—	—	—	—
a Marchmont	498	66	19th	43	14, 19	61·9	47·0	54·0	- 1·7	3	0·47	12	- 8	Marchmont	6·8	+2·0	45	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	61	13th	44	14, 19	59·0	47·4	52·9	—	7	2·02	51	—	Ford (Argyll)	—	—	—	0	40	57·4	—	55·9	—
t Renfrew	49	64	19th	42	14th	60·3	48·4	54·0	—	5	0·76	19	—	Renfrew	3·7	—	25	0	32	—	—	—	—
p Rothesay	200	60	13, 18, 19	44	14th	58.3	47·7	52·7	- 4·3	7	1·79	45	+17	Rothesay	4·2	—	28	0	35	55·9	—	55·0	- 1·2
a Kilmarnock	90	63	14, 18, 19	43	14th	61·1	49·0	54·7	- 1·3	6	1·32	33	+ 9	Kilmarnock	4·3	—	28	—	—	56·1	—	54·6	—
a Colmonell	170	67	19th	42	14th	60·6	49·3	54·6	- 1·4	5	0·98	25	+ 2	Colmonell	—	—	—	0	43	—	—	—	—
p Dumfries	160	65	19th	43	14th	61·3	47·9	54·2	- 3·6	4	0·78	20	- 2	Dumfries	4·4	—	30	0	37	56·6	- 4·0	55·0	- 3·6
t Eskdalemuir	794	61	19th	40	14, 19	58·4	45·1	51·4	—	4	1·26	32	—	Eskdalemuir	4·4	—	29	0	34	—	—	—	—
b, I. OF MAN *h* Douglas	284	65	19th	47	14th	61·3	50·1	55·4	- 1·7	3	0·33	8	- 14	Douglas	4·7	- 1·2	32	0	43	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	72	19th	43	19th	66·1	47·9	56·5	- 0·3	3	0·16	4	- 14	Cockle Park	7 1	+2·0	47	0	37	53·8	- 4·2	53·4	- 2·5
t Tynemouth	118	65	15, 19	46	19th	63·6	49·1	55·9	- 1·4	3	0·28	7	- 9	Tynemouth	—	—	—	0	41	—	—	—	—
p Durham	336	70	18th	43	13th	65·0	47·0	55·5	- 1·9	2	0·24	6	- 8	Durham	6·7	+2·0	45	0	31	—	—	—	—
a North — *p* Rounton	249	66	19th	40	15th	63·3	46·3	54·3	- 2·6	2	0·22	5	- 11	Rounton	—	—	—	0	33	56·1	—	—	—
a West Witton	605	62	13, 16	42	15th	60·9	47·9	54·0	—	4	0·36	9	—	West Witton	—	—	—	0	35	54·4	—	52·8	—
h Scarborough	118	68	13, 19	47	19th	66·0	50·7	57·9	- 0·6	1	0·25	6	- 10	Scarborough †	6·8	+1·5	46	—	—	—	—	57·2	—
p York	56	67	16, 19	42	15th	65·3	49·4	56·9	- 2·3	1	0·20	5	- 10	York	7·0	+2·2	47	—	—	57·4	- 2·9	56·0	- 1·6
t Spurn Head	26	66	16, 19	50	15, 19	63·9	52·6	57·9	- 1·5	1	0·20	5	- 7	Spurn Head	6·5	—	44	—	—	—	—	—	—
b, South — *a* Lincoln	58	67	17, 19	45	15, 19	64·9	49·9	57·0	- 2·8	1	0·19	5	- 9	Lincoln	—	—	—	0	43	57·2	- 4·4	56·6	- 1·8
t Cranwell	237	67	19th	44	15th	64·6	49·1	56·4	- 3·2	1	0·16	4	- 11	Cranwell	6·6	+0·6	45	0	39	—	—	—	—
														Skegness	6 0	- 0·2	41	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	69	19th	48	16th	65·6	51·4	58·1	- 1·8	2	0·03	1	- 11	Cromer	6·2	- 0·1	42	—	—	—	—	—	—
a Little Massingham	277	67	13, 19	45	19th	64·7	49·6	56.7	- 2·5	2	0 21	5	- 11	Lit Massingham	—	—	—	—	—	—	—	—	—
a, North — *t* Yarmouth	13	71	16th	46	19th	67 1	50·1	58·1	- 2·0	1	0·04	1	- 13	Yarmouth	7·2	—	49	0	43	59·9	- 3·7	58 3	- 2 3
a Norwich	93	70	16th	44	15th	66·4	48·9	57·1	- 3·3	2	0 07	2	- 11	Norwich	6·5	—	44	0	39	60·1	—	—	—
a Geldeston	37	71	16th	44	19th	67·6	48·9	57·7	- 2·4	2	0·07	2	- 10	Geldeston	6 1	- 0·2	42	—	—	—	—	—	—
p Cambridge	41	70	16th	45	15, 19	67·1	48·9	57·5	- 3·2	1	0·10	3	- 10	Cambridge	5·7	- 0·6	39	0	36	59·9	- 3·1	58 6	- 1·6
b, South — *t* Clacton-on-Sea	54	69	19th	47	19th	66 3	51·7	58·6	- 2·4	1	0·01	0·3	- 10	Clacton-on-Sea	5·4	- 1·7	37	0	44	59 7	- 3·6	59·1	- 1·4
a Rothamsted	420	68	19th	45	16th	64·6	49·1	56·4	- 3·1	3	0·11	3	- 11	Rothamsted	5·2	- 1·0	36	0	35	57·2	—	—	—
p Tottenham	51	69	19th	50	15, 19	67·0	52·9	59·5	—	0	0·00	0	—	Tottenham	5·9	—	40	—	—	—	—	—	—
														Southend	6·1	—	42	0	46	60·8	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	66	16th	43	15th	62·1	48·4	54·8	- 2·8	1	0·15	4	- 12	Harrogate	6 2	+1·0	42	0	37	54 6	- 3·3	54·3	- 2·3
a, North — *p* Sheffield	429	65	16th	47	15th	63·4	51·1	56·9	—	2	0·35	9	—	Sheffield	6·3	+1·1	43	0	41	55·9	- 3·6	54·3	- 1·8
p Buxton	987	60	16, 17	38	15th	58·0	47·7	52·5	- 3·7	4	0·78	20	- 4	Buxton	3·5	—	24	0	31	54·1	- 5·1	53·6	- 2·1
a Worksop	56	69	19th	41	15th	66·7	48·9	57·3	- 2·0	1	0·21	5	- 8	Worksop	5.4	+0·6	36	0	34	57·0	—	55·8	—
t Nottingham	82	66	15th	44	15th	63·6	50·6	56·7	- 2·9	2	0·22	6	- 8	Nottingham	3·7	- 1·9	25	0	39	57·9	- 3·1	56·5	- 2·8
b, East — *p* Birmingham, Edgbsn.	525	68	19th	44	15th	63·1	49·3	55.8	- 3·6	2	0·23	6	- 9	Birmingham	3·8	- 0·9	26	0	32	53·8	- 3·1	52·6	- 1·3
a Raunds	213	68	19th	46	15, 19	66·0	49·9	57·5	- 3·0	2	0·11	3	- 12	Raunds	5·2	—	35	0	40	59·6	—	—	—
p Oxford	208	69	19th	47	15th	66·1	50·9	58·0	- 2·7	1	0·17	4	- 9	Oxford	5·3	- 0·7	36	0	40	—	—	—	—
														Malvern	5·6	—	38	0	42	59·0	—	58·1	—
a Cheadle (N. Staffs.)	646	66	15th	42	15th	63·1	48·3	55·3	- 2·5	2	0·52	13	- 6	Cheadle	—	—	—	0	32	—	—	—	—
s, West — *p* Tenbury	313	71	19th	37	15th	65·9	48·1	56·5	- 2·3	1	0·19	5	- 11	Tenbury	—	—	—	0	33	57·8	—	—	—
a Hereford	291	70	19th	40	15th	64·0	49 2	56·2	- 3·5	1	0·22	6	- 8	Ross on Wye	4·1	—	28	0	39	58·8	—	58·3	—
a Clifton	225	67	19th	41	15th	64·1	52·4	57·9	- 3·9	2	0·39	10	- 9	Clifton	6·9	—	47	0	46	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	68	19th	41	15, 16	64·4	47 4	55·4	- 3·0	2	0·37	9	- 6	Worthing	5·7	- 1·6	39	0	43	61·0	- 3·2	59·2	- 1·7
a Porton	340	68	19th	40	14th	65·0	46·7	55·3	—	2	0·27	7	—	Marlborough	3·7	- 2·1	25	0	41	58·6	—	57·1	—
a Wisley, Surrey	150	68	16th	45	14, 16	66.3	49·0	57·1	- 3·5	0	0·00	0	- 12	Porton	—	—	—	0	34	59·0	—	—	—
h Tunbridge Wells	354	70	19th	44	16th	65·9	49·0	56·9	- 3·5	2	0·29	7	- 7	Wisley, Surrey	5·1	- 1·4	35	0	34	59·7	- 3·1	58·4	- 1·5
h Margate	51	69	16, 17	51	16th	66·4	54·6	60·2	- 1·7	2	0·09	2	- 9	Tunbridge Wells	5·8	- 0·9	40	0	33	59·5	—	58·4	—
														Margate	5·4	- 1·0	37	0	48	62·3	- 1·7	61·9	+0·6
t Dungeness	21	68	18th	48	16th	65·7	52·9	58·9	- 2·4	2	0·17	4	- 7	Folkestone	6·8	—	47	0	45	—	—	59·7	—
h St. Leonards	178	67	15, 18	49	16th	65·1	52.6	58·5	- 2·8	1	0·02	0·4	- 14	St. Leonards	7 0	- 0·1	48	0	41	62·3	—	59·8	—
p Southampton	64	69	15th	48	16th	66·4	52·4	59·0	- 3·1	1	0·13	3	- 12	Southampton	4·6	- 2·3	32	0	39	—	—	—	—
a Ventnor	59	68	19th	51	15th	65·0	54·4	59·4	- 2·7	1	0·04	1	- 11	Ventnor	6·1	- 0·9	42	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	70	19th	48	16th	66·3	51·5	58·5	- 2·8	1	0·03	1	- 12	Richmond	5·0	- 1·3	34	0	39	59·4	- 3 1	57·7	- 1 2
a Westminster	27	—	—	—	—	—	—	—	—	0	0·00	0	- 13	Westminster	5·5	- 0·3	37	—	—	—	—	—	—
as Greenwich	149	72	19th	46	14, 19	69·6	49·7	59·1	- 3·1	0	0·00	0	- 13	Greenwich	5·2	- 1·3	36	0	33	—	—	—	—
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	—	—	—	—
a Camden Square	110	70	19th	48	14th	68·1	51·1	59·1	- 3·7	2	0·01	0·3	- 13	Camden Square	—	—	—	0	43	59·2	—	57·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	16, 19	44	14th	58·9	48·1	53·2	- 4·3	7	0·87	22	- 1	Aspatria	5·4	+0·4	36	0	41	54·9	- 4 2	53·2	- 2 6
p Newton Rigg	559	65	16th	42	15th	61·1	47·0	53·6	- 3·0	4	0·41	10	- 9	Newton Rigg	6·6	+1·5	44	0	34	—	—	—	—
p Stonyhurst	375	63	16th	44	15th	60·7	50·1	55.1	- 2·5	5	0·85	22	- 5	Stonyhurst	5·3	+0·4	36	0	40	—	—	—	—
h Blackpool	66	64	16th	48	15th	62·3	52·9	57 3	- 1·3	3	0·96	24	+ 5	Blackpool	5·3	- 0·7	36	0	42	57 5	—	55·1	—
h Southport	37	65	16th	48	15th	61·8	52·7	57·0	- 1·8	3	0·60	15	- 3	Southport	6·2	+0·4	42	0	40	60·6	- 2·6	59·8	- 1·5
														Hoylake	6·2	+0·7	42	—	—	—	—	—	—
t Liverpool (Bidston)	188	68	16th	48	15th	62·1	51·3	56·4	- 2·9	2	0·35	9	- 7	Liverpool	6·1	—	41	0	41	—	—	—	—
a Hawarden Bridge	22	69	16th	45	15th	64·6	52 0	57·9	- 2·2	2	0.09	2	- 13	Manchester City	3·9	- 0·1	26	0	40	57·2	- 4·1	57·4	- 2·7
p Manchester (Whit. Pk.)	125	67	16th	41	15th	62·7	49·9	55·9	- 3·8	2	0.51	13	- 5	„ Whit. Pk.	3·9	- 0·3	26	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	66	16th	39	15th	62·6	48·9	55·3	- 4·4	2	0·20	5	- 11	Llandudno	5.6	- 0·3	38	—	—	—	—	—	—
t Holyhead	15	63	16, 17, 19	51	15th	61·6	53·7	57·4	- 1·2	3	0·32	8	- 9	Holyhead	4·9	—	33	0	48	—	—	—	—
a Aberdovey	60	65	14th	49	15th	62·3	54·3	58·1	—	2	1·84	21	—	Aberdovey	5·1	- 0·7	34	0	38	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	64	16th	45	15th	61·6	53·6	57·4	—	3	0·58	15	—	Aberystwyth	5·5	- 0·2	37	—	—	—	—	—	—
a Rhayader	757	63	16, 19	48	14th	60·4	51·1	55·5	—	3	0·75	19	—	Rhayader ..	5·1	—	35	1	26	—	—	—	—
t Pembroke	149	62	14th	51	14th	59 6	53·7	56·5	- 2·3	2	0·50	13	- 4	Pembroke ..	5·7	- 0·7	39	—	—	—	—	—	—
p Cardiff	202	66	14, 19	47	15th	63·0	51·9	57·1	- 2·6	2	0·36	9	- 13	Cardiff ..	5·5	—	38	0	42	59·5	- 3·1	58·0	- 1·3
b, ENGLAND, S.W.																							
h Bath	66	69	19th	46	14, 16	64·7	51·0	57·4	- 2·9	2	0·22	6	- 9	Bath	4·9	- 1·6	33	—	—	61·2	—	59·8	—
a Shaftesbury	722	70	17th	44	15th	63·7	49·0	55·9	- 3·2	2	0·38	10	- 5	Shaftesbury ..	—	—	—	—	—	57·5	—	57·4	—
a Arlington	613	63	14th	43	15th	60·9	49·8	55 6	- 3·2	3	0·44	11	- 16										
h Newquay	190	62	15, 18	50	16th	60·7	54·0	57·2	- 2·9	1	0·23	6	- 8	Newquay ..	4·2	- 2·5	29	—	—	60·4	—	58·3	—
a Cullompton	202	69	19th	45	15th	65·4	50·1	57·8	- 2·5	2	0·17	4	- 12	Cullompton ..	4·5	- 1·5	31	0	39	60·0	—	—	—
t Portland Bill	19	64	19th	52	15th	62·4	54·0	58·0	- 2·7	2	0·13	3	- 8	Weymouth ..	4·8	—	33	—	—	—	—	—	—
p Plymouth	116	67	18th	46	14, 15	64·3	51·0	57·3	- 3·3	1	0·24	6	- 10	Plymouth ..	4·1	- 2·5	29	0	42	59·6	- 4·5	58·3	—
h Falmouth	167	66	15, 18	48	15th	64·1	52·3	57·9	- 2·1	1	0·37	9	- 8	Falmouth ..	4·8	- 2·3	33	0	40	62·2	—	61·8	—
9. IRELAND, N.																							
t Malin Head	71	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	61	15, 19	47	14th	59·4	51·9	55·4	—	6	1·54	39	—	Mallarany ..	3·1	—	21	0	39	—	—	—	—
p Markree Castle.. ..	122	70	19th	45	17th	61·6	49·0	54·9	- 1·8	6	0·71	18	- 5	Markree Castle	2·0	- 2·6	14	0	39	58·0	- 3·1	56·0	- 1·3
b, East .. *p* Armagh..	204	69	19th	45	14th	61·4	49·3	55·0	- 2·4	4	0·65	16	- 3	Armagh ..	3·4	- 1·3	23	0	42	57·8	- 3·1	56·2	- 1·7
t Donaghadee	35	71	19th	43	14th	62·4	49·7	55·7	- 1·8	3	0·83	21	+ 3										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	44	58·6	- 2·7	56·6	- 1·8
p Dublin City	54	69	19th	50	15th	64·1	53·1	58·3	- 1·0	2	0·02	1	- 16	Phœnix Park	3·4	- 2·1	23	0	40	—	—	—	—
t Birr Castle	175	68	19th	48	15th	61·7	51·3	56·2	- 1·6	4	0·21	5	- 16	Dublin City ..	—	—	—	0	45	—	—	—	—
a, East .. *a* Kilkenny	195	71	19th	45	15th	64·3	50·6	57·0	- 1·1	3	0·19	5	- 14	Birr Castle ..	—	—	—	0	45	—	—	—	—
a Waterford	137	69	19th	46	15th	64·4	51·0	57·3	- 1·8	2	0·21	5	- 16										
p Seskin, Carrick-on-Suir	542	69	19th	46	15th	63·4	49·6	56·1	—	3	0·17	4	—	Seskin ..	3·8	—	26	0	42	—	—	—	—
a Foynes	50	66	15th	50	14th	62·0	53·0	57·2	- 1·2	6	0·36	9	- 12										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	65	15th	52	14th	62·1	54·0	57·8	- 3·1	3	0·33	8	- 6	Scilly ..	4·2	- 3·0	29	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	66	16, 19	51	16th	64·0	55·0	59·2	- 3·7	3	0·52	13	0	St. Heliers ..	7·1	- 0·9	49	—	—	—	—	—	—
p Guernsey† ..	173	66	19th	51	16th	64·3	54·7	59·2	- 3·2	3	0·31	8	- 5	Guernsey ..	7·6	- 0·4	53	0	44	63·2	- 1·3	61·9	- 0·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 19th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d. hr.	m.p.h	m/s.	d. h. m.
0. SCOTLAND, N.																
**Deerness (Cup Anr.) ..	188	16	5	—	0	18	1	61	100	6	0	280	26	11	18 19	—	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	77	91	0	300	10	5	18 14	29	13	18 8 50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	10	120	38	0	300	18	8	18 15	—	—	— — —
Edinburgh	485	39	31	—	0	16, 17	3	122	35	8	0	230	26	12	17 14	41	18	17 13 25
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	16,17	7	71	68	22	0	220	33	15	16 8	48	21	16 7 50
Paisley	188	81	15	—	0	—	0	47	110	11	0	290	17	8	18 12	41	18	17 12 50
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	12	98	51	7	2 0	18	8	17 15	44	20	17 14 40
South Shields	72	61	12	—	0	17, 18	4	80	81	3	0	270	29	13	17 17	49	22	17 15 10
Spurn Head	67	41	‡	—	0	16 to 18	15	78	69	6	0	260	30	13	17 10	40	18	17 10 5
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	30	109	29	0	230	21	9	17 8	43	19	17 7 45
Shoeburyness	103	90	‡	—	0	—	0	44	73	26	25	210	21	9	17 6	32	14	18 17 35
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	46	78	44	0	230	22	10	16 12	36	16	16 12 20
5. ENGLAND, S.E.																
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	15	126	27	0	280	14	6	18 13	26	12	18 12 20
Brighton	261	53	6	—	0	—	0	32	101	35	0	—	17	8	17 18	29	13	13 0 15
Larkhill, S'y Plain ..	513	63	43	—	0	18	1	60	96	11	0	310	27	12	18 15	34	15	18 11 50
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	21	99	48	0	230	17	8	16 13	30	13	16 11 50
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	17, 18	26	79	58	5	0	270	35	16	17 22	—	—	— — —
Southport	80	62	48	—	0	16 to 18	31	82	51	4	0	280	35	16	17 22	47	21	17 16 45
7. *b*. NORTH WALES.																
Holyhead	60	40	‡	—	0	16 to 18	16	111	35	6	0	260	30	13	17 5	47	21	16 8 10
8. *b*. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	16, 17	15	34	79	40	0	220	28	13	16 18	36	16	17 1 55
Plymouth	185	88	2	—	0	16, 17	6	43	78	41	0	—	27	12	17 1	36	16	17 4 0
Lyme Regis	556	61	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	17, 18	13	94	55	6	0	260	35	16	17 16	—	—	— — —
Quilty	100	40	‡‡	—	0	17	10	79	69	10	0	—	28	13	17 5	41	19	17 7 35
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
Weaver Pt.	160	30	‡‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	—	0	17	2	79	67	20	0	290	25	11	17 19	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-THIRD WEEK of 1922—August 13th to August 19th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	67	43	58·9	47·8	53·0	− 1·7	77	− 12	0	0	7	+ 2	1·26	32	+ 9	4·9	+0·9	32	1008
Eastern.																			
1. SCOTLAND, EAST ..	73	37	61·1	46·7	53·4	− 2·4	80	− 16	0	0	4	0	0·43	11	− 8	5·1	+0·3	34	1010
2. ENGLAND, N.E. ..	72	40	64·7	49·1	56·5	− 1·7	101	− 13	0	0	2	− 2	0·21	5	− 10	6·7	+1·5	45	1015
3. ENGLAND, EAST ..	71	44	66·3	50·2	57·7	− 2·6	110	− 18	0	0	2	− 1	0·07	2	− 10	5·9	− 0·3	41	1017
4. MIDLAND COUNTIES	71	37	64·5	49·6	56·6	− 2·7	102	− 19	0	0	1	− 2	0·24	6	− 8	5 2	− 0·3	36	1017
5. ENGLAND, S.E. ..	70	40	65·7	51·1	57·9	− 3·2	111	− 23	0	0	1	− 2	0·14	3	− 10	5·5	− 1·2	38	1018
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	67	42	60·3	48 6	54·1	− 2·8	85	− 20	0	0	5	+ 1	1·14	29	+ 4	—	—	—	1013
7. ENGLAND, N.W. (*and North Wales*)	69	39	61·8	50·4	55·8	− 2·7	97	− 18	0	0	3	− 1	0·49	12	− 7	5·7	+0·4	39	1016
8. ENGLAND, S.W. (*and South Wales*)	70	43	62·9	51·4	56·8	− 2·7	104	− 19	0	0	2	− 2	0·36	9	− 9	4·8	− 1·4	33	1019
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·7	− 2·0	18	1013
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1017
11. CHANNEL ISLANDS (*and Scilly*)	66	51	63·5	54·6	58·7	− 3·2	117	− 22	0	0	3	− 1	0·39	10	− 4	6·3	− 1·4	44	1021
MEAN: DISTRICTS 1-10																			1014

THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, May 28th to August 19th, 1922.

0. SCOTLAND, NORTH ..	76	36	57·8	46·4	51·7	− 2·0	815	−179	0	− 2	58	+ 7	7·72	197	− 25	4·5	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·5	45·7	52·6	− 2·6	892	−217	0	− 1	45	+ 1	6·87	175	− 8	5·0	− 0·4	29	1011
2. ENGLAND, N.E. ..	84	38	64·2	48·6	55·9	− 1·2	1170	− 97	0	0	38	− 1	7·49	190	+31	5·8	− 0·1	36	1014
3. ENGLAND, EAST ..	83	39	65·5	50·3	57·4	− 1·6	1290	−138	0	0	41	+ 4	6·76	172	+27	6·1	− 0·6	38	1015
4. MIDLAND COUNTIES	85	34	65·5	48·5	56·5	− 1·9	1214	−166	0	0	39	+ 2	8·94	229	+70	5·6	− 0·4	35	1015
5. ENGLAND, S.E. ..	85	33	66·0	50·9	57·9	− 1·8	1338	−148	0	0	40	+ 5	6·24	159	+21	6·3	− 0·7	40	1016
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	35	61·0	47·4	53·8	− 2·4	989	−207	0	0	50	+ 4	8·72	223	− 10	—	—	—	1013
7. ENGLAND, N.W. (*and North Wales*)	86	36	62·0	49·3	55·2	− 2·3	1113	−190	0	0	44	+ 2	8·11	206	+ 8	5·7	− 0·3	35	1014
8. ENGLAND, S.W. (*and South Wales*)	85	33	63·6	50·3	56·5	− 1·9	1221	−157	0	0	45	+ 4	8·14	206	+19	6·1	− 0·4	38	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1015
11. CHANNEL ISLANDS (*and Scilly*)	80	45	63·7	53·2	58·1	− 1·7	1350	−146	0	0	37	− 2	5·89	151	+ 5	7·1	− 0·7	45	1017
MEAN: DISTRICTS 1-10..																			1014

THE YEAR. Aggregates, &c., for the Period of 33 Weeks, January 1st to August 19th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·1	39·4	44·5	− 1·1	1069	−307	489	− 50	158	+ 7	27·61	703	− 34	3·7	+ 0·1	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51 0	38·4	44·5	− 1·5	1194	−362	627	+10	136	+ 7	18·57	474	+11	3·9	− 0·3	29	1009
2. ENGLAND, N.E. ..	84	12	53·7	40·6	46·8	− 0·7	1631	−131	509	+37	120	+ 4	16·89	430	+60	4·5	− 0·1	34	1012
3. ENGLAND, EAST ..	89	16	55·2	41·7	48·2	− 0·4	1857	−177	431	− 63	120	+ 8	17·16	436	+85	5·0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·1	40·4	47·5	− 0·9	1755	−257	496	− 26	124	+13	21·18	539	+144	4·3	− 0·1	32	1013
5. ENGLAND, S.E. ..	88	17	56·1	42·7	49·1	− 0·5	1966	−191	318	− 61	122	+14	18·31	466	+89	5·1	− 0·1	38	1013
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	52·7	40·1	46·1	− 1·4	1396	−314	448	+32	138	+ 2	28·58	728	+55	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·2	41·8	47·2	− 1·1	1567	−278	360	− 22	126	+ 4	20·70	527	+24	4·6	+ 0·1	34	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·0	42·8	48·7	− 0·8	1811	−225	268	− 33	133	+12	24·31	621	+81	4·9	0·0	37	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·2	46·9	51·4	− 0·2	2212	−110	50	− 55	131	+ 6	20·85	531	+92	5·4	− 0·5	41	1014
MEAN: DISTRICTS 1-10 ..																			1012
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
25th August, 1922.

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VI.c.3.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) | No. 34.

THIRTY-FOURTH WEEK.
SUNDAY, AUGUST 20TH, TO SATURDAY, AUGUST 26TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was of a rather unsettled type. Showers of rain fell in most parts of the country, and a thunderstorm was reported at Cromer. On the other hand, there were one or two fine days, and good records of sunshine were obtained, notably on the 23rd and 26th, when a large number of stations recorded upwards of 12 hours. Amongst the largest amounts were 13·8 hours at Tenby, 13·2 hours at Torquay and 13·1 hours at Pembroke (St. Ann's Head) on the 23rd, 13·4 hours at Brighton, 13·3 hours at St. Leonard's and Tunbridge Wells, 13·1 hours in London and at Clacton and 13·0 hours at Norwich and Yarmouth on the 26th. The amount of sunshine for the week varied a good deal, but at a number of stations was in excess of the normal. The departure of the mean duration from the normal for the week ranged from +1·8 hours at Sheffield to −2·8 hours at Newquay. The highest of the maximum temperatures occurred during the early part of the week, when a few stations registered readings of about 75°F. or slightly above. The lowest of the screen minima were mostly recorded on the 26th, and were in some instances rather low for the time of year, the actual lowest readings being 33°F. at Rhayader (Radnor) and 35°F. at Marlborough, Porton (Salisbury Plain), West Linton (Peebles)and Markree Castle (Sligo), while frost on the grass was registered at a number of stations on the same date. The mean temperature for the week was below the normal in all districts; in places the mean daily range was nearly 20°F. The total amount of rainfall for the week was below the normal in nearly all districts. Amongst the heaviest individual falls, which occurred principally in Scotland, were 19mm. at Stornoway and Nairn, 18mm. at Inverness and 17mm. at Strathpeffer on the 22nd, 15mm. at Aberdovey on the 24th and 23mm. at Fort William on the 26th, while Ford (Argyll) measured 16mm. on the 24th and 27mm. on the 26th. Solar halos were observed at Ross-on-Wye on the 21st, at St. Leonard's on the 22nd, at Birmingham on the 26th and at Oxford on the 22nd and 26th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	10	5	2·2	10	8	3·5	8	7	3·1	10	4	1·7	16	12	5·4	4	12	5·2	15	7	3·0	—	—	—
North	14	8	3·6	11	6	2·9	14	5	2·4	9	4	1·8	11	9	3·9	16	9	3·8	6	6	2·6	—	—	—
West	24	10	4·5	24	12	5·3	20	8	3·6	22	6	2·9	27	11	4·9	18	15	6·5	17	15	6·7	—	—	—
East	1	4	2·0	1	3	1·5	3	3	1·5	0	—	—	0	—	—	2	3	1·3	7	3	1·5	—	—	—
Calm (or wind-speed < 4 m.p.h.)	3	—	—	3	—	—	5	—	—	5	—	—	1	—	—	2	—	—	4	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	5	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England. N.W. (*and N. Wales*).	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall ..	Moderate	Moderate	Light	Light	Light	Light	Moderate	Moderate	Light	—	—	Moderate
	Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Scanty	—	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *13* weeks from May 28th, 1922.	Warmth ..	1,1, 11	1,1, 11	2, 3, 8	2, 2, 9	2, 2, 9	2, 2, 9	1,1, 11	2,0, 11	2,1, 10	—	—	2, 2, 9
	Rainfall ..	1, 9, 3	1, 7, 5	3, 5, 5	5, 4, 4	2, 6, 5	4, 3, 6	3, 8, 2	4, 5, 4	3, 4, 6	—	—	2, 9, 2
	Sunshine ..	7, 3, 3	1, 6, 6	3, 4, 6	2, 5, 6	3, 3, 7	2, 6, 5	—	3, 5, 5	3, 3, 7	—	—	2, 3, 8

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.			mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
t Lerwick	54	56	20, 21	44	25, 26	53·6	46·3	49·7	- 2·7	7	0·98	25	+ 9									
p Deerness, Orkney	165	59	21st	45	25th	55·6	47·9	51·5	- 1·7	6	0·54	14	- 2	Deerness	3·4	- 0·5	23	—	—	—	—	—
a Islands — *t* Stornoway	51	59	21st	42	24th	56·0	46·0	57·0	- 3·3	7	1·37	35	+13	Stornoway	4·7	+0·4	32	—	—	—	—	—
t Castlebay, Barra I.	37	56	20, 21	45	23rd	55·0	50·0	52·4	—	6	0·61	15	—	Castlebay	4·5	—	31	—	—	—	—	—
t Wick	81	63	20th	42	25, 26	56·1	46·4	51·0	- 2·9	5	0·47	12	- 3									
a Strathpeffer	125	68	20th	44	25th	59·8	48·1	53·6	- 1·9	6	1·02	26	+12									
b, Main- *p* Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
land. *h* Inverness		62	20th	44	25th	58·4	47·6	52·7	—	5	0·95	24	—	Inverness	—	—	—	0	38	—	—	—	—
a Fort Augustus	68	62	20, 21	44	20, 25, 26	58·9	45·4	51·8	- 3·7	4	0·92	23	+ 4									
p Fort William	171	64	21st	44	25th	59·6	48·0	53·5	- 2·5	7	1·48	38	+ 4									
1. SCOTLAND, E.																						
t Nairn	82	64	20th	45	24, 25	59·4	48·3	53·5	- 2·1	5	0·96	24	+10	Nairn	4·9	—	33	—	—	—	—	—
p Gordon Castle	101	65	20th	45	25th	59·6	48·0	53·5	- 2·3	3	0·70	18	0	Gordon Castle	3·8	—	26	—	—	—	—	—
t Aberdeen	46	64	20th	44	25th	59·9	48·3	53·8	- 1·9	5	0·53	13	- 2	Aberdeen	5·3	+0·5	36	0	35	—	—	53·2	- 1·1
a Balmoral	930	63	20th	38	26th	56·7	43·0	49·4	- 3·5	5	0·58	15	- 2	Balmoral	—	—	—	0	33	—	—	—	—
p Crieff	432	65	21st	41	24th	60·7	45·3	52·5	- 4·1	4	0·38	10	- 13	Crathes	5·0	+0·7	35	0	32	54·3	—	51·7	—
a Dundee	244	68	21st	38	26th	62·7	44·0	52·8	- 3·8	4	0·66	17	- 1	Dundee	6·0	—	41	1	30	55·9	—	—	—
														Inchkeith (F. of Forth)	4·6	—	32	0	43	—	—	—	—
t Inchkeith (F. of Forth)	190	62	26th	46	26th	58·9	49·4	53·9	—	4	0·33	9	—									
p Edinburgh	441	61	10th	44	24, 26	59·0	47·7	53·0	- 3·1	4	0·44	11	- 4	Edinburgh	4·3	- 0·4	30	0	40	—	—	—	—
a West Linton	769	60	22nd	35	26th	58·0	42·3	49·7	- 3·5	6	0·61	15	—	West Linton	—	—	—	—	—	—	—	—	—
a Marchmont	498	63	20th	40	26th	59·4	46·1	52·4	- 3·1	4	0·48	12	- 6	Marchmont	3·7	- 1·0	25	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	62	21st	41	26th	59·0	45·1	51·6	—	6	2·05	52	—	Ford (Argyll)	—	—	—	0	39	57·0	—	55·7	—
t Renfrew	49	62	20th	41	26th	59·0	46·6	52·4	—	5	0·33	9	—	Renfrew	4·2	—	29	1	30	—	—	—	—
p Rothesay	200	60	20th	44	26th	57·3	47·6	52·2	- 4·2	6	0·80	20	- 9	Rothesay	4·9	—	34	0	34	55·9	—	54·7	- 1·4
a Kilmarnock	90	64	22nd	40	26th	59·9	48·3	53·8	- 1·6	4	0·80	20	- 5	Kilmarnock	3·5	—	24	—	—	55·7	—	54·4	—
a Colmonell	170	61	22, 26	46	26th	58·7	50·1	54·1	- 1·4	6	0·64	16	- 8	Colmonell	—	—	—	0	39	—	—	—	—
p Dumfries	160	61	22nd	41	26th	58·6	47·9	52·9	- 4·2	5	0·76	19	- 3	Dumfries	3·6	—	25	0	34	56·2	- 3·5	54·9	- 3·7
t Eskdalemuir	794	58	22, 23, 25	39	26th	56·3	46·0	50·8	—	5	1·16	29	—	Eskdalemuir	3·2	—	22	0	33	—	—	—	—
b, I. OF MAN *h* Douglas	284	60	20th	44	26th	58·1	50·7	54·2	- 2·4	6	0·95	24	+ 1	Douglas	3·8	- 1·7	27	0	40	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	65	20th	43	26th	62·6	49·1	55·5	- 0·9	4	0·46	12	- 9	Cockle Park	3·7	- 1·0	26	0	37	54·1	- 2·5	53·7	- 1·9
t Tynemouth	118	70	20th	45	26th	60·6	49·6	54·8	- 2·1	5	0·41	10	- 8	Tynemouth	—	—	—	0	41	—	—	—	—
p Durham	336	67	20th	42	26th	62·1	48 6	55·0	- 2·0	5	0·20	5	- 11	Durham	4·1	- 0·3	28	0	36	—	—	—	—
a North — Rounton	249	69	20th	41	26th	62·6	48·0	54·9	- 1·6	2	0·23	6	- 12	Rounton	—	—	—	1	29	57·0	—	—	—
a West Witton	605	69	21st	41	26th	62·6	48·7	55·2	—	2	0·17	4	—	West Witton	—	—	—	0	32	55·8	—	52·7	—
h Scarborough	118	73	20th	44	26th	65·6	51·4	58·1	- 0·2	1	0·12	3	- 15	Scarborough †	4·9	0·0	35	—	—	—	—	57·6	—
p York	56	72	20th	43	26th	64·1	50·4	56·8	- 1·9	2	0·17	4	- 12	York	5·3	+0·8	37	—	—	58·0	- 1·8	56·1	- 1·6
t Spurn Head	26	76	20th	48	26th	64·6	52·4	58·1	- 1·0	2	0·09	2	- 12	Spurn Head	6·8	—	48	—	—	—	—	—	—
b, South — *a* Lincoln	58	74	21st	42	26th	66·9	49·6	57·7	- 1·6	2	0·26	7	- 9	Lincoln	—	—	—	0	40	57·8	- 2·9	56·7	- 1·8
t Cranwell	237	72	21st	41	26th	63·6	48·9	55·8	- 3·4	2	0·44	11	- 6	Cranwell	6·7	+1·2	47	0	37	—	—	—	—
														Skegness	6 6	+0·9	47	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	70	21st	46	26th	63·7	52·9	58·0	- 1·6	4	0·23	6	- 7	Cromer	5·4	- 0·1	38	—	—	—	—	—	—
a Little Massingham	277	71	20th	41	26th	63·7	49·7	56.3	- 2·3	3	0·31	8	- 10	Lit Massingham	5·9	+0·6	41	—	—	—	—	—	—
a, North — *t* Yarmouth	13	72	20th	43	26th	65·0	51·4	57·8	- 1·9	3	0·10	3	- 13	Yarmouth	6·5	—	46	0	39	60·3	- 2·4	59·0	- 1·6
a Norwich	93	73	20th	42	26th	65·4	50·9	57·7	- 2·1	3	0·21	5	- 11	Norwich	5·6	—	39	0	38	60·6	—	—	—
a Geldeston	37	74	20th	42	26th	66·8	49·3	57·5	- 2·1	4	0·14	3	- 11	Geldeston	5·2	- 0·3	37	—	—	—	—	—	—
p Cambridge	41	72	20th	40	26th	66·0	49·0	57·0	- 3·1	2	0·11	3	- 12	Cambridge	5·9	+0·3	41	0	34	60·2	- 1·9	58·7	- 1·5
b, South — *t* Clacton-on-Sea	54	70	20th	43	26th	65·7	52·0	58·4	- 2·1	2	0·11	3	- 9	Clacton-on-Sea	7·1	+0·7	50	0	39	60·7	- 0·9	59·4	- 1·0
a Rothamsted	420	67	21st	42	26th	63·0	48·7	55·4	- 3·5	2	0·22	6	- 10	Rothamsted	5·3	- 0·2	38	0	35	58·0	—	—	—
p Tottenham	51	70	21st	46	26th	66·3	52·3	58·9	—	2	0·25	6	—	Tottenham	5·8	—	41	—	—	—	—	—	—
														Southend	6·9	—	49	0	43	62·0	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	69	20, 21	43	24th	62·6	48·6	55·2	- 1·7	3	0·24	6	- 12	Harrogate	5·4	+0·4	37	0	35	55·3	- 2·0	54·5	- 2·0
a, North — *p* Sheffield	429	71	20, 21	45	26th	63·6	50·6	56·7	—	4	0·35	9	—	Sheffield	6·6	+1·8	46	0	38	57·2	- 1·6	54·9	- 1·3
p Buxton	987	68	21st	41	21st	60·0	46·9	53·1	- 2·4	4	0·90	23	- 6	Buxton	5·0	—	35	0	35	54·6	- 3·7	53·6	- 2·3
a Worksop	56	75	21st	40	26th	66·7	47·7	56·6	- 2·0	4	0·28	7	- 8	Worksop	5.8	+1·3	41	0	32	58·0	—	56·2	—
t Nottingham	82	71	21st	41	26th	63·9	48·6	55·8	- 3·1	2	0·27	7	- 9	Nottingham	4·5	- 0·7	31	0	38	56·8	- 3·0	56·9	- 2·3
b, East — *p* Birmingham, Edgbsn.	525	72	20th	42	26th	62·7	48·9	55.4	- 3·3	3	0·48	12	- 5	Birmingham	3·7	- 0·7	26	0	36	54·1	- 2·5	52·7	- 1·5
a Raunds	213	71	20th	40	26th	64·7	49·3	56·5	- 3·3	3	0·23	6	- 11	Raunds	5·4	—	38	0	34	59·9	—	—	—
p Oxford	208	66	22nd	41	26th	63·7	49·4	56·1	- 3·9	3	0·31	8	- 7	Oxford	3·7	- 1·9	26	0	33	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.)	646	67	20, 21	40	26th	62·4	47·4	54·5	- 2·7	4	0·56	14	- 8	Cheadle	—	—	—	1	30	—	—	—	—
a, West — *p* Tenbury	313	73	20th	36	26th	64·3	46·1	54·7	- 3·4	3	0·28	7	- 11	Tenbury	—	—	—	0	32	57·8	—	—	—
a Hereford	291	73	20th	36	26th	65·4	46·1	55·2	- 3·8	1	0·41	11	- 5	Ross on Wye	4·8	—	34	0	33	59·0	—	58·4	—
a Clifton	225	65	21st	43	26th	62·0	51·0	56·2	- 4·9	3	0·46	12	- 11	Clifton	4·5	—	32	—	—	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	67	21st	35	26th	63·0	46 4	54·2	- 3·5	3	0·27	7	- 10	Worthing	7·0	+0·3	49	0	40	61·6	- 1·8	59·3	- 1·7
a Porton	340	71	21st	35	26th	63·8	47·1	55·0	—	3	0·32	8	—	Marlborough	3·4	- 1·9	24	0	33	59·1	—	57·0	—
a Wisley, Surrey	150	73	21st	39	26th	66.4	48·4	56·9	- 2·9	2	0·38	10	- 4	Porton	—	—	—	0	31	59·2	—	—	—
h Tunbridge Wells	354	75	21st	41	26th	67·0	47·1	56·5	- 3·3	3	0·39	10	- 5	Wisley, Surrey	5·3	- 0·6	37	1	28	59·7	- 2·2	58·4	- 1·5
h Margate	51	71	20th	51	24, 26	66·0	55·1	60·2	- 1·2	2	0·26	7	- 6	Tunbridge Wells	7·4	+1·3	53	1	29	60·5	—	58·6	—
														Margate	6·3	+0·4	44	0	49	63·6	+0 3	62·4	+0·9
t Dungeness	21	69	21st	43	26th	65·4	52·4	58·5	- 2·3	2	0·34	9	- 4	Folkestone	7·7	—	54	—	—	—	—	59·7	—
h St. Leonards	178	73	21st	45	24th	65·7	52·9	58·9	- 1·9	2	0·59	15	0	St. Leonards	7 4	+0·8	52	0	39	63·0	—	59·9	—
p Southampton	64	74	21st	42	26th	66·4	51·0	58·2	- 3·3	3	0·20	5	- 12	Southampton	5·1	- 1·1	36	0	32	—	—	—	—
a Ventnor	59	71	21st	48	26th	65·3	54·0	59·3	- 2·4	3	0·44	11	- 3	Ventnor	6·0	- 0·4	42	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	73	21st	44	26th	66·1	51·6	58·4	- 2·1	2	0·31	8	- 6	Richmond	5·2	- 0·5	37	0	34	60·1	- 1 6	57·9	- 1·1
a Westminster	27	72	21st	44	26th	66·9	52·1	59·1	- 2·4	2	0·25	6	- 8	Westminster	5·5	+0·4	39	0	37	—	—	—	—
ac Greenwich	149	78	21st	43	26th	69·7	50·4	59·5	- 2·0	2	0·29	7	- 7	Greenwich	6·0	+0·1	42	1	29	—	—	—	—
a Hampstead	450	69	21st	42	26th	64·4	50·6	57·1	—	2	0·31	8	—	Hampstead	5·5	—	39	0	33	—	—	—	—
a Camden Square	110	73	20, 21	44	26th	69·0	51·1	59·5	- 2·5	2	0·29	7	- 7	Camden Square	—	—	—	0	42	59·9	—	57·2	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	60	22nd	42	26th	58·1	47·6	52·5	- 4 6	5	1·02	26	- 2	Aspatria	3·2	- 1·7	22	0	39	54·7	- 3·7	53·2	- 2·6
p Newton Rigg	559	62	20th	45	23, 24	58·7	48·7	53·4	- 2·7	6	0·72	18	- 5	Newton Rigg	3·2	- 1·5	23	0	32	—	—	—	—
p Stonyhurst	375	68	21st	43	26th	61·7	50.9	56.0	- 1·2	3	0·65	17	- 16	Stonyhurst	4·6	- 0·1	32	0	39	—	—	—	—
h Blackpool	66	66	20th	49	26th	61·9	53·9	57 7	- 0·5	3	0·37	9	- 15	Blackpool	4·5	- 1·1	31	0	44	57 8	—	55·2	—
h Southport	37	67	20th	49	26th	60·9	52·5	56·5	- 1·9	4	0·51	13	- 10	Southport	5·6	+0·2	39	0	38	60·3	- 1·8	60·1	- 0·9
														Hoylake	5·3	+0·1	37	—	—	—	—	—	—
t Liverpool (Bidston)	188	69	20th	48	26th	61·9	51·4	56·3	- 2·6	4	0·39	10	- 10	Liverpool	5·3	—	37	0	41	—	—	—	—
a Hawarden Bridge	22	71	20th	46	26th	64·6	51·3	57·6	- 2·0	4	0.33	9	- 9	Manchester City	4·1	+0 3	29	0	38	57·8	- 2 6	57·5	- 2·7
p Manchester (Whit. Pk.)	125	70	20, 21	40	26th	63·1	49·6	56·0	- 3·3	3	0.43	11	- 11	„ Whit. Pk.	4·4	+0·4	30	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	68	20th	42	26th	62·9	48·0	55·0	- 4·4	3	0·35	9	- 11	Llandudno	5.7	+0·2	40	—	—	—	—	—	—
t Holyhead	15	64	22nd	46	26th	61·3	52·9	56·9	- 1·5	4	1·09	28	+ 7	Holyhead	5·0	—	35	0	42	—	—	—	—
a Aberdovey	60	64	20, 21	47	26th	62·3	53·7	57·7	—	3	1·10	28	—	Aberdovey	5·1	- 0·4	36	0	39	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *c* a Gleisher stand is used. † Earth temperatures at a feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	63	20th	44	26th	61·0	53·1	56·8	—	3	0·85	22	—	Aberystwyth	4·8	— 0·7	24	—	—	—	—	—	—
a Rhayader	757	67	20th	33	26th	59·7	46·6	52·8	—	5	0·65	17	—	Rhayader ..	4·0	—	28	1	25	—	—	—	—
t Pembroke	149	61	20, 21	51	26th	59·7	53·4	56·4	- 2·4	4	0·49	13	- 8	Pembroke ..	3·6	- 2·3	26	—	—	—	—	—	—
p Cardiff	202	66	26th	43	26th	62·7	49·0	55·4	- 4·2	3	0·41	10	- 17	Cardiff ..	4·1	—	29	—	—	59·3	- 2·4	58·0	- 1·4
b, ENGLAND, S.W.																							
h Bath	66	67	21st	38	26th	63·9	50·0	56·5	- 3·3	3	0·20	5	- 13	Bath	3·6	- 2·5	26	—	—	61·1	—	59·8	—
a Shaftesbury	722	67	21st	42	26th	62·0	49·1	55·2	- 3·6	3	0·48	12	- 7	Shaftesbury ..	—	—	—	—	—	58·8	—	58·1	—
a Arlington	613	64	26th	38	26th	60·6	49·5	54·7	- 3·2	4	0·90	23	- 10										
h Newquay	190	63	22, 26	43	26th	60·7	53·7	57·0	- 2·9	4	0·50	13	- 5	Newquay ..	3·5	- 2·8	25	—	—	60·5	—	58·4	—
a Cullompton	202	71	21st	37	26th	65·4	50·0	57·2	- 2·2	3	0·33	9	- 10	Cullompton ..	4·1	- 1·5	29	0	35	60·9	—	—	—
t Portland Bill	19	65	21st	53	21st	62·3	54·4	58·1	- 2·5	3	0·18	5	- 9	Weymouth ..	6·0	—	42	—	—	—	—	—	—
p Plymouth	116	70	21st	45	25, 26	64·1	48·9	56·0	- 4·3	3	0·29	7	- 12	Plymouth ..	4·5	- 1·7	32	0	41	60·6	- 2·5	58·3	—
h Falmouth	167	66	21, 22	47	26th	63·4	53·0	57·9	- 1·9	4	0·53	13	- 9	Falmouth ..	4·5	- 2·1	32	0	46	63·2	—	62·1	—
9. IRELAND, N.																							
t Malin Head	71	58	20, 21, 26	43	26th	57·3	48·9	52·9	- 3·6	4	0·72	18	- 3	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany ..	120	61	21st	45	26th	59·1	49·1	53·8	—	6	1·62	41	—	Mallarany ..	3·9	—	28	0	36	—	—	—	—
p Markree Castle.. ..	122	62	21, 26	35	26th	59·9	46·6	52·9	- 3·1	7	1·04	26	0	Markree Castle	2·2	- 2·0	15	0	33	57·5	- 2·9	55·9	- 1·5
b, East .. *p* Armagh..	204	62	26th	41	26th	59·3	48·1	53·4	- 3·2	6	1·37	35	+14	Armagh ..	2·2	- 2·0	15	0	35	57·2	- 2·9	56·0	- 1·9
t Donaghadee	35	64	20th	42	26th	59·3	49·1	53·9	- 3·0	6	0·89	23	+ 3										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	35	58·6	- 2·0	56·8	- 1·6
p Dublin City	54	69	20th	45	26th	63·7	51·4	57·2	- 1·7	6	0·64	16	- 4	Phœnix Park	3·8	- 1·3	27	0	33	—	—	—	—
t Birr Castle	175	66	26th	43	26th	61·9	48·9	55·0	- 2·4	5	0·92	23	- 1	Dublin City ..	—	—	—	0	39	—	—	—	—
a, East .. *a* Kilkenny	195	71	20th	42	26th	65·1	48·4	56·3	- 1·5	5	0·67	17	- 6	Birr Castle ..	—	—	—	0	35	—	—	—	—
a Waterford	137	66	24th	45	26th	64·1	49·1	56·2	- 2·5	5	0·56	14	- 11										
p Seskin, Carrick-on-Suir	542	69	20th	45	23, 26	64·1	47·1	55·1	—	4	0·57	15	—	Seskin ..	5·4	—	38	0	36	—	—	—	—
a Foynes	50	69	26th	45	26th	63·9	50·3	56·7	- 1·4	7	0·91	23	- 2										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	20, 22	52	26th	62·3	53·7	57·7	- 2·9	4	0·26	7	- 9	Scilly	4·9	- 1·9	35	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	77	21st	50	20th	67·0	55·6	61·0	- 1·6	3	0·43	11	- 4	St. Heliers ..	6·1	- 1·3	43	—	—	—	—	—	—
p Guernsey† ..	178	68	21st	50	20th	65·1	54·0	59·2	- 3·0	4	0·40	10	- 6	Guernsey ..	6·0	- 1·5	43	0	44	63·5	- 0·4	61·7	- 0·6

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 26th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Buildings.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	23, 25	19	44	78	27	0	290	33	15	25	17	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	7	105	56	0	320	18	8	23	13	40	18	23	13	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	23	4	30	103	31	0	320	28	13	23	13	—	—	—	—	—
Edinburgh	485	39	31	—	0	22, 23, 26	3	81	68	16	0	200	37	17	26	19	52	23	26	18	20
6. *a*. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	23, 26	11	62	67	27	0	290	35	15	23	6	54	24	23	6	5
Paisley	188	81	15	—	0	—	0	39	101	28	0	300	24	11	23	11	42	19	23	11	15
2. ENGLAND, N.E.																					
Alnwick Castle	340	70	17	—	0	—	0	13	101	54	0	300	18	8	23	11	38	17	23	8	35
South Shields	72	61	12	—	0	—	0	52	93	23	0	320	24	11	23	13	38	17	23	13	55
Spurn Head .. ..‡	67	41	‡	—	0	23, 24	25	59	66	18	0	300	38	17	23	11	50	22	23	7	20
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	34	103	31	0	310	24	11	23	13	37	17	23	13	10
Shoeburyness	103	90	‡	—	0	23	7	64	59	37	1	300	27	12	23	11	50	22	23	12	30
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	23	1	44	76	47	0	310	26	11	23	10	43	19	23	9	55
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	50	77	41	0	—	22	10	23	11	35	16	23	2	50
Larkhill, S'y Plain ..	513	63	43	—	0	23	5	64	55	23	21	330	27	12	23	11	34	15	23	12	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	11	114	43	0	290	16	7	23	13	32	14	23	13	0
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	16	111	41	0	220	17	8	24	17	31	14	23	14	5
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	23	6	22 to 25	45	42	71	1	3	310	40	18	23	16	—	—	—	—	—
Southport	80	62	48	—	0	22 to 25	48	63	47	10	0	290	38	17	23	8	52	23	23	10	40
7. *b*. NORTH WALES.																					
Holyhead	60	40	‡	—	0	23 to 26	33	88	41	6	0	280	33	15	23	8	44	20	26	15	10
8. *b*. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	24	1	52	64	51	0	250	26	11	24	14	38	17	25	3	15
Plymouth	185	88	2	—	0	26	2	73	48	45	0	—	25	11	26	23	36	16	23	11	55
Lyme Regis	556	61	‡			Defective Records.															
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	22 to 24, 26	19	61	62	26	0	290	31	14	23	9	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡	—	0	—	0	40	91	21	16	—	20	9	23	13	32	14	23	14	5
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	22 to 25	26	54	55	9	24	280	34	15	23	1	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FOURTH WEEK of 1922—August 20th to August 26th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall: Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine: Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	68	42	57·3	46·7	51·7	− 2.7	68	− 19	0	0	6	+ 1	1·04	26	+ 3	4·1	+0·3	28	1008
Eastern.																			
1. SCOTLAND, EAST ..	65	35	59·1	46·3	52·3	− 3·3	72	− 23	0	0	5	+ 1	0·57	14	− 3	4·9	+0·2	33	1009
2. ENGLAND, N.E. ..	76	41	63·6	49·8	56·3	− 1·5	100	− 11	0	0	3	− 1	0·26	7	− 10	5·2	+0·3	37	1012
3. ENGLAND, EAST ..	74	40	65·1	50·7	57·4	− 2·3	108	− 16	0	0	3	− 1	0·18	5	− 9	5·9	+0·3	42	1013
4. MIDLAND COUNTIES	75	36	63·8	48·3	55·6	− 3·0	95	− 21	0	0	3	− 1	0·35	9	− 8	4·9	− 0·3	34	1013
5. ENGLAND, S.E. ..	76	35	65·5	50·6	57·6	− 2·9	109	− 22	0	0	3	− 1	0·35	9	− 6	6·1	− 0·1	43	1015
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	64	40	58·7	48·0	53·0	− 3·3	77	− 24	0	0	5	0	0·90	23	− 3	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)	71	40	61·5	50·4	55·6	− 2·5	95	− 18	0	0	4	0	0·60	15	− 9	4·6	− 0·4	32	1013
8. ENGLAND, S.W. (and South Wales)	71	33	62·4	50·4	56·0	− 3·2	98	− 23	0	0	3	− 1	0·45	11	− 11	4·1	− 1·8	29	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·2	− 2·0	15	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	77	50	64·8	54·4	59·3	− 2·3	121	− 16	0	0	4	0	0·36	9	− 7	5·7	− 1·5	40	1017
MEAN: DISTRICTS 1-10																			

THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, May 28th to August 26th, 1922.

0. SCOTLAND, NORTH ..	76	36	57·8	46·4	51·7	− 2·1	883	−198	0	− 2	64	+ 8	8·76	223	− 22	4·6	+ 0·2	27	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·4	45·8	52·6	− 2·6	964	−240	0	− 1	50	+ 2	7·44	189	− 11	5·0	− 0·4	30	1011
2. ENGLAND, N.E. ..	84	38	64·1	48·7	55·9	− 1·3	1270	−108	0	0	41	− 2	7·75	197	+21	5·8	0.0	35	1014
3. ENGLAND, EAST ..	83	39	65·4	50·3	57·4	− 1·7	1398	−154	0	0	44	+ 3	6·94	177	+18	6·1	− 0·5	38	1015
4. MIDLAND COUNTIES	85	34	65·3	48·6	56·4	− 2·0	1309	−187	0	0	42	+ 1	9·29	238	+62	5·6	− 0·3	35	1015
5. ENGLAND, S.E. ..	85	33	66·0	50·8	57·9	− 1·9	1447	−170	0	0	43	+ 4	6·55	167	+14	6·3	− 0·6	40	1016
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	82	35	60·8	47·5	53·7	− 2·5	1066	−231	0	0	55	+ 4	9·62	246	− 13	—	—	—	1013
7. ENGLAND, N.W. (and North Wales)	86	36	62·0	49·4	55·3	− 2·3	1208	−208	0	0	48	+ 2	8·71	221	− 1	5·6	− 0·4	35	1014
8. ENGLAND, S.W. (and South Wales)	85	33	63·5	50·3	56·5	− 2·0	1319	−180	0	0	48	+ 3	8·59	217	+ 8	5·9	− 0·6	37	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	80	45	63·7	53·3	58·2	− 1·7	1471	−162	0	0	41	− 2	6·25	160	− 2	7·0	− 0·8	45	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 34 Weeks, January 1st to August 26th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·3	39·6	44·7	− 1·1	1137	−326	489	− 50	164	+ 8	28·65	729	− 31	3·7	+ 0·1	27	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·3	38·6	44·7	− 1·6	1266	−385	627	+10	141	+ 8	19·14	488	+ 8	4·0	− 0·2	29	1009
2. ENGLAND, N.E. ..	84	12	54·0	40·8	47·1	− 0·7	1731	−142	509	+37	123	+ 3	17·15	437	+50	4·6	0·0	34	1012
3. ENGLAND, EAST ..	89	16	55·5	42·0	48·5	− 0·4	1965	−193	431	− 63	123	+ 7	17·34	441	+76	5·0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·4	40·6	47·7	− 1·0	1850	−278	496	− 26	127	+12	21·53	548	+136	4·3	− 0·2	32	1013
5. ENGLAND, S.E. ..	88	17	56·4	43·0	49·4	− 0·5	2075	−213	318	− 61	125	+13	18·62	474	+82	5·1	− 0·1	38	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	82	15	52·8	40·3	46·3	− 1·5	1473	−338	448	+32	143	+ 2	29·48	751	+52	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)	86	20	53·4	42·0	47·5	− 1·1	1662	−296	360	− 22	130	+ 4	21·30	542	+15	4·6	0·0	34	1012
8. ENGLAND, S.W. (and South Wales)	85	13	55·2	43·1	48·9	− 0·8	1909	−248	268	− 33	136	+11	24·76	632	+70	4·9	− 0·1	36	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	81	28	56·5	47·1	51·6	− 0·3	2333	−126	50	− 55	135	+ 6	21·21	540	+85	5·4	− 0·5	41	1014
MEAN: DISTRICTS 1-10 ..	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
1st September, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

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METEOROLOGICAL OFFICE 11 SEP 1922 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 137

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH.

FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 35.

THIRTY-FIFTH WEEK.
SUNDAY, AUGUST 27TH, TO SATURDAY, SEPTEMBER 2ND. 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week in most parts of the British Isles continued to be of a very unsettled character. Rain fell on several days, and at one or two stations hail was reported. The total amount of rainfall for the week was below the normal in Scotland but above normal in most of the other districts. Thunderstorms were experienced in many places during the latter half of the week, the most severe being that which occurred on the Lancashire Coast during the early hours of September 1st, when Blackpool measured 78mm. of rain and Southport 65mm.; and serious floods were reported in many parts of the locality. Several other falls of 20mm. or more were recorded during the week, amongst the largest being 27mm. at Buxton and 21mm. at Manchester on August 28th, 22mm. at Waterford on the 29th, 47mm. at Dublin and 20mm. at Clifton (Gloucester) on the 30th, and 29mm. at West Witton (N. Riding) on September 1st. The mean temperature for the week was below the normal in all districts with the exception of Scotland, where it was slightly above. The maximum temperatures were generally registered during the first part of the week, and a few stations recorded readings of 70°F. or slightly above, the highest being 74°F. at Spurn Head on August 29th. Screen minima below 40°F. were registered in a few places on various dates, and a ground frost occurred at West Witton on August 27th. The largest amounts of sunshine were generally obtained on the first day of the period, when amounts of between 12 and 13 hours were registered at a number of stations. The mean amount for the week, however, was scanty in most districts. The departure of the mean duration from the normal for the week ranged from +2·5 hours at Ballinacurra to −3·5 hours at Oxford.

Solar halos were observed at Dublin, Richmond (Kew Observatory) and St. Leonard's on August 29th, and at Stonyhurst on the 30th. A lunar halo was seen at Dublin and Seskin (Carrick-on-Suir) on September 2nd.

As will be seen from the Table on page 140, the mean temperature for the summer season was considerably below the normal in all parts of the British Isles. Rainfall may be classified as light or moderate except in the Midland counties and eastern parts of England, where it was heavy. Sunshine was generally scanty.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	15	8	3·6	10	9	3·9	16	10	4·6	13	7	3·1	16	11	5·0	8	10	4·5	19	8	3·6	6	10	4·4
North	6	5	2·4	7	4	1·9	5	5	2·3	2	4	1·8	10	11	4 8	14	11	4·9	6	6	2·9	16	7	3·0
West	4	11	4·9	8	5	2·4	13	5	2·3	12	4	1·8	17	9	4·2	20	9	4·0	17	11	5·1	19	7	2·9
East	16	4	1·9	6	4	2·0	7	3	1·5	1	10	4·5	8	6	2·8	2	3	1·3	7	4	1·9	1	13	5·7
Calm (or wind-speed < 4 m.p.h.)	6	—	—	10	—	—	7	—	—	12	—	—	2	—	—	4	—	—	1	—	—	6	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	—	Deficient
	Rainfall ..	Light	Moderate	Light	Heavy	Moderate	Heavy	Light	Heavy	Moderate	Moderate	—	Heavy
	Sunshine ..	—	Scanty	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *14* weeks from May 28th, 1922.	Warmth ..	1,2, 11	1,2, 11	2, 4, 8	2, 3, 9	2, 2,10	2, 2,10	1,2, 11	2,0, 12	2,1, 11	—	—	2, 2,10
	Rainfall ..	1, 9, 4	1, 8, 5	3, 5, 6	6, 4, 4	2, 7, 5	5, 3, 6	3, 8, 3	5, 5, 4	3, 5, 6	—	—	3, 9, 2
	Sunshine ..	—	1, 6, 7	3, 4, 7	2, 5, 7	3, 3, 8	2, 6, 6	—	3, 5, 6	3, 3, 8	—	—	2, 4, 8

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a Islands — *t* Lerwick	54	58	28th	48	27, 28, 29	55·9	49·3	52·4	+1·2	6	0·71	18	− 6										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
t Stornoway	51	61	28, 29	38	29th	58·4	46·9	52·3	− 0·4	5	0·80	20	− 12	Stornoway	5·0	+1·2	35	—	—	—	—	—	—
t Castlebay, Barra I.	37	60	28th	—	—	56·6	49·3	52·7	—	5	0·48	12	—	Castlebay	5·2	—	37	—	—	—	—	—	—
b, Mainland. *t* Wick	81	60	27th	41	29th	57·4	48·9	52·9	+0·3	4	0·25	6	− 15										
a Strathpeffer	125	67	28th	43	29th	61·9	47·8	54·4	+0·5	3	0·28	7	− 12										
Achnashellach		66	28th	45	28th	62·0	48·7	55·0	+2·5	2	0·21	5	− 53	Achnashellach	—	—	—	0	41	—	—	—	—
h Inverness		64	27, 28, 30	45	28, 29	61·3	49·6	55·1	—	4	0·22	6	—	Inverness	—	—	—	0	38	—	—	—	—
a Fort Augustus	68	64	28th	43	29th	61·3	48·4	54.5	+0·6	4	0·46	12	− 15										
p Fort William	171	67	28th	44	28th	62·4	48·4	55·0	+0·5	4	0·42	11	− 39										
1. SCOTLAND, E.																							
t Nairn	82	65	27, 29	43	29th	61·6	50·0	55·5	+1·5	5	0·34	9	− 9	Nairn	3·4	—	24	—	—	—	—	—	—
p Gordon Castle	101	67	30th	46	29th	61·9	50·0	55·6	+1·3	3	0·57	14	− 8	Gordon Castle	3·3	—	24	—	—	—	—	—	—
t Aberdeen	46	65	30th	45	28th	60·7	49·1	54·6	+0·4	3	0·37	9	− 10	Aberdeen	3·5	− 1·0	25	0	34	—	—	53·0	− 1·0
a Balmoral	930	63	28th	36	29th	59·3	42·6	50·5	− 0·7	4	0·32	8	− 13	Balmoral	—	—	—	0	32	—	—	—	—
p Crieff	432	69	2nd	45	29th	62·7	49·1	55·5	+0·5	7	0·63	16	− 11	Crathes	3·4	− 0·7	24	0	33	53·1	—	51·5	—
a Dundee	244	67	28th	42	30, 1	63·3	46·3	54·3	− 0·6	4	0·34	9	− 12	Dundee	3·3	—	24	0	34	56·1	—	—	—
t Inchkeith (F. of Forth)	190	63	27, 29, 30	49	1st	61·0	52·1	56·3	—	5	0·33	9	—	Inchkeith (F. of Forth)	4·4	—	31	0	42	—	—	—	—
p Edinburgh	441	64	29th	48	30, 1	60 6	50·1	55·0	+0·4	3	0·36	9	− 9	Edinburgh	4·6	+0·2	33	0	37	—	—	—	—
a West Linton	769	65	30th	42	30th	61·9	45·7	53·3	+1·8	5	0·38	10	—	West Linton	—	—	—	0	33	—	—	—	—
a Marchmont	498	65	28th	42	28th	61·4	47·7	54·1	+0·2	4	0·72	18	− 4	Marchmont	4·1	− 0·2	29	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	65	1, 2	44	28, 29	61·4	47·9	54·3	—	5	1·09	28	—	Ford (Argyll)	—	—	—	0	40	56·4	—	55·3	—
t Renfrew	49	68	2nd	47	28th	63·7	51·1	57·0	—	7	0·72	18	—	Renfrew	3·8	—	27	0	39	—	—	—	—
p Rothesay	200	65	2nd	51	29, 30, 2	61.0	51·6	56·0	+1·0	7	0·38	10	− 24	Rothesay	4·6	—	33	0	47	56·3	—	54·0	− 1·8
a Kilmarnock	90	70	28th	49	1st	65·1	52·0	58·2	+4·3	6	0.75	19	− 10	Kilmarnock	4·6	—	33	—	—	56·7	—	54·2	—
a Colmonell	170	66	28th	51	2nd	62·0	52·4	56·9	+2·6	7	1·20	30	+ 1	Colmonell	—	—	—	0	49	—	—	—	—
p Dumfries	160	68	28th	48	1st	62·1	50·9	56·2	+0·7	5	0·55	14	− 10	Dumfries	4·4	—	32	0	41	57·1	− 1·3	54·8	− 3·4
t Eskdalemuir	794	64	28th	41	30th	58·9	46·1	52·1	—	5	0·54	14	—	Eskdalemuir	3·6	—	26	0	37	—	—	—	—
b, I. OF MAN *h* Douglas	284	63	28th	51	1st	60·6	52·3	56·2	+0·9	4	0·50	13	− 15	Douglas	3·5	− 1·6	25	0	46	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	—	—	—	—	—	—	—	—	—	—	—	—	Cockle Park	1 9	− 2·8	14	0	39	53·8	− 1·2	53·3	− 1·7
t Tynemouth	118	67	29th	49	1st	59·6	51·9	55·5	− 0·7	4	0·37	9	− 7	Tynemouth	—	—	—	0	42	—	—	—	—
p Durham	336	65	29th	39	1st	60·0	47 6	53·4	− 2·7	5	0·34	9	− 6	Durham	2·5	− 1·8	18	0	31	—	—	—	—
a North — *p* Rounton	249	67	29th	43	1st	60·1	48·7	54·1	− 1·6	5	0·43	11	− 5	Rounton	—	—	—	0	36	56·6	—	—	—
a West Witton	605	67	29th	34	27th	61·7	45·1	52·9	—	4	1·69	43	—	West Witton	—	—	—	1	30	54·8	—	52·9	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	66	31st	44	1st	62·9	51·0	56·6	− 1·2	3	0·47	12	− 2	York	3·4	− 1·1	24	—	—	57 2	− 1·7	56·0	− 1·6
b, South — *t* Spurn Head	26	74	29th	51	31, 2	66·9	53·6	59·9	+1·0	3	0·36	9	− 3	Spurn Head	4·4	—	32	—	—	—	—	—	—
a Lincoln	58	71	29th	48	1st	66·0	52·1	58·6	+0·2	3	0·21	5	− 9	Lincoln	—	—	—	0	46	58·3	− 1·1	56·8	− 1·4
t Cranwell	237	69	29th	46	1st	64·0	51·6	57·4	− 1·0	4	0·27	7	− 8	Cranwell	4·4	− 1·0	32	0	40	—	—	—	—
														Skegness	6·2	+0·6	45	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	71	27, 29	47	1st	65·0	51·7	58·0	− 0·8	5	0·55	14	+ 1	Cromer	4·8	− 0·8	35	—	—	—	—	—	—
a, North — *a* Little Massingham	277	71	27th	46	1st	63·0	51·1	56.7	− 0·8	6	0·89	23	+ 5	Lit Massingham	4·4	− 1·0	32	—	—	—	—	—	—
t Yarmouth	13	68	27th	47	1st	64 3	52·3	57·9	− 0·9	3	0·48	12	− 4	Yarmouth	—	—	—	0	43	59·7	− 1·7	58·6	− 1·6
a Norwich	93	72	27, 29	45	1, 2	65·6	50·3	57·5	− 1·2	5	0·61	15	− 1	Norwich	5·0	—	36	0	40	59·7	—	—	—
a Geldeston	37	72	27th	44	1, 2	65·4	49·7	57·1	− 1·5	5	0·85	22	+ 7	Geldeston	4·8	− 0·9	35	—	—	—	—	—	—
b, South — *p* Cambridge	41	70	22th	42	1st	65·9	50·1	57·5	− 1·5	4	0·46	12	− 2	Cambridge	3.5	− 2·1	26	0	35	60·2	− 0·7	58·7	− 1·2
t Clacton-on-Sea	54	67	27th	47	2nd	64·1	53·9	58·7	− 0·8	4	0·41	10	− 2	Clacton-on-Sea	5·9	− 0·6	43	0	43	60·2	− 0·4	59·2	− 0·9
a Rothamsted	420	67	29th	42	1st	62·3	49·1	55·3	− 2·5	7	0·93	24	+ 8	Rothamsted	2·7	− 2·9	20	0	34	57·5	—	—	—
p Tottenham	51	71	27th	44	2nd	65·7	52·0	58·4	—	6	0·92	23	—	Tottenham	3·6	—	26	—	—	—	—	—	—
														Southend	5·0	—	37	0	46	61·4	—	—	—
4. MIDLAND COUNTIES.																							
a, North — *h* Harrogate	479	67	29th	42	1st	61·1	48·4	54·4	− 1·4	4	0·39	10	− 8	Harrogate	3·7	− 1·1	26	0	37	55·0	− 1·3	54·3	− 1·7
p Sheffield	429	67	29th	44	1st	61·7	50·4	55·7	—	5	0·59	15	—	Sheffield	3·3	− 1·2	24	0	37	56·4	− 1·4	55·0	− 1·1
p Buxton	987	64	29th	42	30th	58·3	47·7	52·7	− 1·6	3	1·24	32	+ 3	Buxton	3·9	—	28	0	37	54·6	− 2·5	53·8	− 2·0
b, East — *a* Worksop	56	68	29th	41	1st	64·9	50·1	57·1	− 0·3	3	0·45	11	− 4	Worksop	3.0	− 1·3	22	0	36	57·5	—	56·0	—
t Nottingham	82	68	29th	44	1st	64 3	50·6	57·0	− 0·7	4	0·59	15	− 1	Nottingham	3·6	− 1·1	26	0	41	57·5	− 0·9	57·0	− 1·8
p Birmingham, Edgbsn.	525	67	29th	46	1st	60·3	49·6	54.6	− 3·0	5	1·02	26	+ 9	Birmingham	2·6	− 1·5	19	0	36	53·7	− 1·8	52·6	− 1·4
a Raunds	213	69	29th	42	1st	63·9	50·6	56·9	− 1·8	5	0·56	14	− 2	Raunds	2·8	—	20	0	37	59·7	—	—	—
p Oxford	208	70	29th	46	31, 2	63·1	50·6	56·5	− 2·2	6	0·51	13	− 2	Oxford	1·9	− 3·5	14	0	38	—	—	—	—
														Malvern	3·4	—	25	0	43	57·7	—	57·7	—
a, West — *a* Cheadle (N. Staffs.)	646	62	31st	40	31st	59·0	47·0	52·6	− 3·5	4	0·83	21	− 1	Cheadle	—	—	—	0	33	—	—	—	—
p Tenbury	313	67	29th	38	30th	61·0	47·9	54·1	− 2·8	5	0·67	17	+ 1	Tenbury	—	—	—	0	35	56·7	—	—	—
a Hereford	291	65	29th	41	30th	60·9	47·7	53·9	− 3·8	5	0·53	13	− 3	Ross on Wye	3·3	—	24	0	40	57·8	—	58·0	—
a Clifton	225	67	29th	47	31st	61·3	50·1	55·4	− 4·5	4	1·06	27	+ 5	Clifton	3·9	—	28	0	48	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	67	29th	40	2nd	62·9	47 0	54·5	− 2·2	5	0·31	8	− 10	Worthing	5·4	− 1·0	40	0	44	61·7	− 0·5	59·6	− 1·2
a Porton	340	—	—	—	—	—	—	—	—	—	—	—	—	Marlborough	1·7	− 3·3	12	0	39	58·5	—	57·0	—
a Wisley, Surrey	150	70	29th	42	1st	64.9	50·0	57·0	− 1·7	7	1·19	30	+14	Porton	—	—	—	—	—	—	—	—	—
h Tunbridge Wells	354	70	29th	43	1st	64·7	50·4	57·1	− 1·8	7	1·23	31	+13	Wisley, Surrey	3·5	− 3·1	25	0	32	59·2	− 1·5	58·1	− 1·4
h Margate	51	70	27th	47	1st	64·9	54·0	59·1	− 1·6	6	0·97	25	+10	Tunbridge Wells	4·1	− 1·8	30	0	35	59·6	—	58·8	—
														Margate	5·2	− 0·5	38	0	45	62·1	+0·1	62·0	+0·8
t Dungeness	21	68	27, 28	43	2nd	64·6	54·4	59·2	− 0 9	6	0·74	19	+ 3	Folkestone	6·3	—	46	—	—	—	—	59·9	—
h St. Leonards	178	67	28th	48	1, 2	63·9	54·0	58·7	− 1·4	7	0·96	24	+ 6	St. Leonards	4 9	− 1·3	36	0	41	62·3	—	59·9	—
p Southampton	64	68	29th	48	31, 1	63·6	52·4	57·7	− 2·8	6	0·60	15	− 4	Southampton	2·7	− 3·4	20	0	41	—	—	—	—
a Ventnor	59	66	27, 29	50	1st	63·3	54·1	58·4	− 2·7	5	1·39	35	+18	Ventnor	5·0	− 1·1	37	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	70	28, 29	44	1st	65·4	51·4	58·0	− 1·5	7	0·59	15	− 1	Richmond	3·3	− 2·1	24	0	35	59·7	− 0·7	57·7	− 1·0
a Westminster	27	71	28th	45	1st	65·4	52·6	58·6	− 1·9	6	0·79	20	+ 5	Westminster	3·7	− 1·2	27	0	39	—	—	—	—
ae Greenwich	149	74	29th	43	2nd	67·3	50·0	58·1	− 2·3	6	0·72	18	+ 3	Greenwich	4·2	− 1·4	30	0	33	—	—	—	—
a Hampstead	450	68	27, 29	45	1, 2	63·6	50·7	56·8	—	6	0·99	25	—	Hampstead	2·9	—	21	0	34	—	—	—	—
a Camden Square	110	72	29th	45	2nd	65·7	51·4	58·1	− 2·9	6	0·88	22	+ 6	Camden Square	—	—	—	0	42	59·8	—	57·4	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	28th	47	1st	59·6	49·4	54·2	− 1·6	5	0·64	16	− 11	Aspatria	3·9	− 0·6	28	0	43	55·0	− 2·4	53·2	− 2·4
p Newton Rigg	559	65	28th	43	1st	60·0	48·0	53·6	− 1·1	4	0·68	17	− 5	Newton Rigg	3·2	− 1·2	23	0	37	—	—	—	—
p Stonyhurst	375	64	29th	47	28th	60·9	50.6	55.4	− 0·5	4	0·91	23	− 9	Stonyhurst	2·2	− 2·1	16	0	43	—	—	—	—
h Blackpool	66	66	29th	48	28th	61 1	51·0	55 8	− 1·2	5	3·54	90	+67	Blackpool	2·7	− 2·3	19	0	40	56 9	—	55·1	—
h Southport	37	65	29th	46	30th	61·2	50·3	55·4	− 1·7	5	2·98	76	+54	Southport	2·8	− 2·1	20	0	40	58·3	− 2·2	59·2	− 1 2
														Hoylake	3·8	− 0 9	28	—	—	—	—	—	—
t Liverpool (Bidston)	188	67	29th	48	30th	61·0	50·7	55·5	− 2·1	5	1·38	35	+16	Liverpool	2·6	—	18	0	43	—	—	—	—
a Hawarden Bridge	22	68	29th	45	30th	62·7	49 7	55·8	− 2·3	5	1.12	28	+12	Manchester City	2·7	− 0·9	19	0	37	57·3	− 1·8	57·6	− 2·3
p Manchester (Whit. Pk.)	125	68	29th	47	1st	61·7	49·9	55·5	− 2·4	4	1.06	27	+ 6	„ Whit. Pk.	2·7	− 0·9	19	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	68	29th	46	28, 30	61·9	49·4	55·3	− 3·0	3	0·39	10	− 9	Llandudno	2.8	− 2·2	20	—	—	—	—	—	—
t Holyhead	15	62	29th	51	31st	58·9	52·9	55·7	− 1·7	5	1·41	36	+15	Holyhead	3·5	—	25	0	48	—	—	—	—
a Aberdovey	60	65	2nd	51	2nd	61·6	52·9	57·0	—	5	0·78	20	—	Aberdovey	3·1	− 2·0	22	0	44	—	—	—	− 1·1

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	64	29th	46	2nd	60·3	51·3	55·5	—	5	0·81	21	—	Aberystwyth	Hr. 3·6	Hr. - 1·6	% 26	°F. —	°F. —	°F. —	°F. —	°F. —	°F. —
a Rhayader	757	63	29th	42	28th	58·4	45·1	51·4	—	5	0·51	13	—	Rhayader ..	3·1	—	22	0	32	—	—	—	—
t Pembroke	149	62	2nd	48	29th	58 6	52·1	55·2	- 2·7	5	0·78	20	- 3	Pembroke ..	4·8	- 0·6	35	—	—	—	—	—	—
p Cardiff	202	66	29th	46	30th	60·9	49·7	55·0	- 3·2	4	1·02	26	- 2	Cardiff ..	2·8	—	20	0	41	58·1	- 2·3	57·5	- 1·7
b, ENGLAND, S.W.																							
h Bath	66	69	29th	43	31st	63·0	50 4	56·3	- 2·2	4	0·94	24	+ 5	Bath	3·7	- 1·8	27	—	—	60·2	—	59·6	—
a Shaftesbury	722	65	29th	45	31, 1, 2	60·7	49·0	54·5	- 3·1	4	0·37	9	- 12	Shaftesbury ..	—	—	—	—	—	57·5	—	57·9	—
a Arlington	613	63	29, 2	43	31, 1	59·1	47·3	52 9	- 3·9	6	1·49	38	+ 3										
h Newquay	190	63	27–29	47	29–31	60·5	50·6	55·3	- 3·7	5	0·62	16	- 5	Newquay ..	5·7	- 0·1	42	—	—	58·9	—	58·3	—
a Cullompton	202	66	29th	38	31st	62·1	47·6	54·4	- 3·7	5	1·21	31	+11	Cullompton ..	3·5	- 1·7	26	0	34	58·9	—	—	—
t Portland Bill	19	63	29th	52	1st	61·4	53·9	57·4	- 2·3	3	0·37	9	- 7	Weymouth ..	4·1	—	30	—	—	—	—	—	—
p Plymouth	116	66	2nd	44	30, 31	61·6	48·6	54·7	- 4·6	6	0·92	23	+ 2	Plymouth ..	5·3	- 0·4	39	0	40	58·8	- 3·0	58·2	—
h Falmouth	167	66	29th	47	31st	62·7	51·0	56·5	- 2·3	3	0·50	13	- 11	Falmouth ..	6·7	+0·7	49	0	38	61·1	—	61·8	—
9. IRELAND, N.																							
t Malin Head	71	60	27, 29	49	27–30	57·3	50·3	53·6	- 2·0	5	0·63	16	- 5	Malin Head ..	4·3	—	31	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	61	28th	41	1, 2	57·6	44·3	50·6	- 5·8	5	0·96	24	- 5										
a Mallarany ..	120	63	28th	42	30th	59·7	47·1	53·0	—	5	1·28	32	—	Mallarany ..	5·7	—	41	0	33	—	—	—	—
p Markree Castle.. ..	122	65	27, 28	40	29th	60·9	46·9	53·5	- 1·3	6	1·32	34	+ 8	Markree Castle	3·9	+0·2	28	0	36	57·1	- 2·4	55·8	- 1·4
b, East .. *p* Armagh..	204	66	2nd	44	29th	60·4	49·0	54·4	- 0·9	5	1·51	38	+17	Armagh ..	3·6	- 0·2	26	0	38	56·5	- 2·4	55·6	- 1·9
t Donaghadee	35	63	27th	48	29, 1	59·7	50·6	54·9	- 0·9	6	0·96	24	+ 5										
														Trinity Coll.	—	—	—	0	38	56·9	- 2·6	56·4	- 1·7
10. IRELAND, S.														Phœnix Park	4·4	- 0·1	31	0	34	—	—	—	—
p Dublin City	54	65	29th	46	29th	60·4	49·6	54·7	- 3·0	5	2·70	69	+54	Dublin City ..	—	—	—	0	41	—	—	—	—
t Birr Castle	175	64	28th	44	28th	60·7	47·6	53·8	- 2·3	5	0·87	22	+ 4	Birr Castle ..	—	—	—	0	35	—	—	—	—
a. East .. *a* Kilkenny	195	64	27th	43	28, 29	61·3	47·1	53·8	- 2·8	6	1·37	35	+18										
a Waterford	137	65	2nd	44	29th	61·9	48·0	54·5	- 3·0	7	1·47	37	+17										
p Seskin, Carrick-on-Suir	542	63	2nd	44	29th	60·6	46·3	53·0	—	6	1·14	29	—	Seskin ..	4·4	—	32	0	34	—	—	—	—
a Foynes	50	64	28th	48	29,31,2	61·7	48·9	54·9	- 2·2	6	0·73	19	- 1										
b. West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	6·7	+2·5	49	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	65	28th	50	31st	62·1	53·0	57 3	- 2·4	6	0·81	21	+ 4	Scilly ..	7·2	+1·3	53	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	68	27, 28	52	1st	64·3	54·7	59·2	- 2·4	6	1·33	34	+18	St. Heliers ..	6·5	0·0	48	—	—	—	—	—	—
p Guernsey† ..	173	67	27th	50	30, 1	63·4	52·1	57·4	- 3·9	5	0·73	19	+ 2	Guernsey ..	6·4	- 0·2	47	0	45	61·5	- 1·5	61·2	- 1·0

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 2nd, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	d. hr.	m.p.h	d. h. m
**Deerness (Cup Anr.) ..	188	16	5	—	0	26	1	39	88	40	0	290	26 11	26 1	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	109	59	0	180	8 4	27 2	18	8 27 2 25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	5	108	55	0	80	15 7	31 1	—	— — — —
Edinburgh	485	39	31	—	0	—	0	24	75	69	0	200	21 9	27 18	34	15 27 0 20
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	27	1	33	73	61	0	200	26 11	27 1	40	18 27 0 20
Paisley	188	81	15	—	0	—	0	15	90	63	0	190	17 7	29 15	30	14 27 15 0
2. ENGLAND, N.E.																
Alnwick Castle .. ..†	340	70	17	—	—	—	—	—	—	—	—	—	— —	— —	—	— — — —
South Shields	72	61	12	—	0	—	0	18	88	62	0	200	20 9	27 9	31	14 27 9 20
Spurn Head	67	41	‡	—	0	—	0	40	100	28	0	230	22 10	31 3	34	15 31 2 45
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	27, 30	4	38	92	34	0	190	25 11	27 14	42	19 30 21 50
Shoeburyness	103	90	‡	—	0	30	4	37	91	36	0	200	30 13	30 21	43	19 30 19 55
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	30	103	35	0	180 / 250	22	10	27 15 / 30 21	38 17 30 20 45
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	16	91	61	0	—	24 11	30 19	43	19 30 18 25
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	42	120	6	0	290	22 10	30 20	30	13 30 19 15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	4	75	89	0	210	17 7	30 22	34	15 30 21 5
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	4	82	82	0	220	19 9	30 20	35	16 30 19 50
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	34	118	16	0	150	21 9	27 1	—	— — — —
Southport	80	62	48	—	0	—	0	41	100	27	0	160	18 8	27 5	27	12 27 7 55
7. *b*. NORTH WALES.																
Holyhead	60	40	‡	—	0	31	2	106	47	13	0	240	27 12	31 3	40	18 31 2 15
8. *b*. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	27, 30	5	32	92	39	0	180	31 14	30 9	40	18 30 8 45
Plymouth	185	88	2	—	0	27, 30	16	48	85	19	0	—	33 15	30 12	43	19 30 12 15
Lyme Regis	556	61	‡	Defective Records.												
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	31	1	79	76	12	0	260	25 11	31 9	—	— — — —
Quilty	100	40	‡	—	0	—	0	89	60	17	2	—	21 9	1 17	32	14 27 8 25
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	29	1	55	87	25	0	180	25 11	29 17	38	17 29 17 40
Weaver Pt.	160	30	‡	—	0	29	2	52	90	24	0	—	27 12	29 23	41	18 29 23 15
11. ENGLISH CHANNEL																
Scilly (Cup Anr.) ..	150	19	—	—	0	30	7	70	66	22	3	—	33 15	30 6	—	— — — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

†Station closed on August 31, 1922. ‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1922—August 27th to September 2nd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	67	38	59·9	48·3	53·8	+0·8	83	+ 4	0	0	4	- 1	0·45	11	- 21	—	—	—	1005
Eastern.																			
1. SCOTLAND, EAST ..	69	36	61·3	48·3	54·4	+0·4	87	0	0	0	5	0	0·46	12	- 9	3·7	- 0·6	26	1005
2. ENGLAND, N.E. ..	74	39	62·7	50·9	56·5	- 0·4	101	- 3	0	0	4	0	0·35	9	- 6	3·7	- 1·2	26	1007
3. ENGLAND, EAST ..	72	42	64·6	51·1	57·5	- 1·1	109	- 7	0	0	5	+ 1	0·68	17	+ 3	4·3	- 1·4	31	1008
4. MIDLAND COUNTIES	70	38	62·0	49·3	55·3	- 2·1	93	- 15	0	0	5	+ 1	0·66	17	0	3·1	- 1·7	23	1007
5. ENGLAND, S.E. ..	70	40	64·2	52·0	57·7	- 1·9	110	- 13	0	0	6	+ 2	0·89	22	+ 5	4·2	- 1·7	31	1008
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	70	44	62·3	51·2	56·4	+1·5	101	+ 9	0	0	6	+ 2	0·74	19	- 12	—	—	—	1005
7. ENGLAND, N.W. (*and North Wales*)	68	43	60·9	50·1	55·2	- 1·6	92	- 12	0	0	4	0	1·21	31	+ 8	3·1	- 1·4	22	1005
8. ENGLAND, S.W. (*and South Wales*)	69	38	60·9	49·5	54·8	- 3·3	90	- 23	0	0	5	+ 1	0·81	21	- 3	4·6	- 0·8	33	1007
9. IRELAND, NORTH ..	66	40	59·4	48·1	53·5	- 2·0	81	- 14	0	0	5	0	1·04	26	+ 3	3·7	0·0	27	1005
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	68	50	63·3	53·3	58·0	- 2·7	112	- 19	0	0	6	+ 2	0·96	25	+ 9	6·7	+0·3	49	1008
MEAN: DISTRICTS 1-10																			

THE SEASON (Summer).—Aggregates, &c., for the Period of 14 Weeks, May 28th to September 2nd, 1922.

0. SCOTLAND, NORTH ..	76	36	57·9	46·5	51·9	- 1·8	966	-194	0	- 2	68	+ 7	9·21	234	- 43	—	—	—	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	30	60·4	45·9	52·7	- 2·4	1051	-240	0	- 1	55	+ 2	7·90	201	- 20	4·9	- 0·4	30	1011
2. ENGLAND, N.E. ..	84	38	64·1	48·9	56·0	- 1·2	1371	-111	0	0	45	- 2	8·10	206	+15	5·6	- 0·2	35	1013
3. ENGLAND, EAST ..	83	39	65·4	50·4	57·4	- 1·6	1507	-161	0	0	49	+ 4	7·62	194	+21	6·0	- 0·5	38	1014
4. MIDLAND COUNTIES	85	34	65·1	48·6	56·3	- 2·1	1402	-202	0	0	47	+ 2	9·95	255	+62	5·4	- 0·4	34	1014
5. ENGLAND, S.E. ..	85	33	65·8	50·9	57·9	- 1·9	1557	-183	0	0	49	+ 6	7·44	189	+19	6·2	- 0·7	40	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	35	60·9	47·7	53·9	- 2·2	1167	-222	0	0	61	+ 6	10·36	265	- 25	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	36	61·9	49·4	55·3	- 2·2	1300	-220	0	0	52	+ 2	9·92	252	+ 7	5·4	- 0·5	34	1013
8. ENGLAND, S.W. (*and South Wales*)	85	33	63·3	50·3	56·4	- 2·0	1409	-203	0	0	53	+ 4	9·40	238	+ 5	5·8	- 0·6	37	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	80	45	63·7	53·3	58·1	- 1·9	1583	-181	0	0	47	0	7·21	185	+ 7	7·0	- 0·7	45	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 35 Weeks, January 1st to September 2nd, 1922.

0. SCOTLAND, NORTH ..	76	18	50·6	39·9	45·0	- 1·0	1220	-322	489	- 50	168	+ 7	29·10	740	- 52	—	—	—	1008
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·6	38·9	45·0	- 1·5	1353	-385	627	+10	146	+ 8	19·60	500	- 1	4·0	- 0·3	29	1009
2. ENGLAND, N.E. ..	84	12	54·2	41·1	47·4	- 0·7	1832	-145	509	+37	127	+ 3	17·50	446	+44	4·5	- 0·1	34	1012
3. ENGLAND, EAST ..	89	16	55·8	42·3	48·7	- 0·5	2074	-200	431	- 63	128	+ 8	18·02	458	+79	5·0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·6	40·9	47·9	- 1·0	1943	-293	496	- 26	132	+13	22·19	565	+136	4·3	- 0·2	32	1012
5. ENGLAND, S.E. ..	88	17	56·6	43·2	49·6	- 0·6	2185	-226	318	- 61	131	+15	19·51	496	+87	5·1	- 0·1	38	1013
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·1	40·6	46·6	- 1·4	1574	-329	448	+32	149	+ 4	30·22	770	+40	—	—	—	1010
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·6	42·2	47·7	- 1·1	1754	-308	360	- 22	134	+ 4	22·51	573	+23	4·5	- 0·1	34	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·4	43·3	49·1	- 0·9	1999	-271	268	- 33	141	+12	25·57	653	+67	4·9	- 0·1	36	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·7	47·3	51·8	- 0·3	2445	-145	50	- 55	141	+ 8	22·17	565	+94	5·4	- 0·5	41	1014
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
8th September, 1922.

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METEOROLOGICAL OFFICE 20 SEP 1922 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 141

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 36.

THIRTY-SIXTH WEEK.

SUNDAY, SEPTEMBER 3RD, TO SATURDAY, SEPTEMBER 9TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Atmospheric conditions over the British Isles during the week were mainly anticyclonic. There was a good deal of cloud, and at a number of stations, mist or fog was reported. Showers of rain fell in places, but the measurements in all cases were very small, the total for the week being well below the normal in all parts of the country; in fact, at a large number of stations the week was rainless. The winds were mostly easterly or north-easterly and light to moderate in force. The highest of the maximum temperatures were recorded on various dates; at a few stations readings of about 70°F. were reached, the actual highest being 72°F. at Kilmarnock (Ayr) on the 4th and at Weymouth on the 6th. The lowest of the minimum temperatures occurred in the northern parts of the country at the end of the week, when ground frosts were registered at a number of stations in Scotland and also at Cheadle (Staffs.). The mean temperature for the week was below the normal in all districts; the mean daily range was about 20°F. at several of the Scottish stations. Several good records of sunshine were obtained during the week, a number of stations having more than 11 hours. Amongst the largest amounts were 11·6 hours at Falmouth and 11·5 at Aberystwyth on the 4th, 11·4 hours at Rothesay (Bute), 11·3 hours at Gordon Castle (Elgin) on the 6th, 11·9 hours at Clacton, Norwich and Yarmouth and 11·8 hours at Felixstowe on the 7th, and 11·7 hours at Portsmouth on the 8th. The mean amount for the week was, however, below the normal at most stations. The departure of the mean duration from the normal ranged from +1·7 hours at Little Massingham (Norfolk) to −3·3 hours at Harrogate. Solar halos were observed at Ross-on-Wye on the 3rd, at Aberdeen on the 7th and at Oxford on the 3rd, 4th and 7th. A lunar halo was seen at Oxford on the 6th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	11	9	3·9	3	7	3·2	1	2	1·0	0	—	—	7	6	2·5	6	12	5·4	—	—	—	—	—	—
North	12	9	3·9	12	4	1·6	24	11	4·8	15	7	3·2	17	11	5·1	14	9	4·0	—	—	—	—	—	—
West	13	6	2·9	9	6	2·8	6	3	1·5	1	2	0·8	8	3	1·3	0	—	—	—	—	—	—	—	—
East	10	5	2·1	8	6	2·6	11	3	1·4	7	2	0·9	12	5	2·4	18	7	3·1	—	—	—	—	—	—
Calm (or wind-speed < 4 m.p.h.)	3	—	—	10	—	—	3	—	—	12	—	—	4	—	—	6	—	—	—	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	—	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*)	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Very Light	Light	Light	Light	Light	Very Light	Light	Light	Very Light	—	—	Light
	Sunshine ..	Moderate	Moderate	Scanty	Moderate	Very Scanty	Moderate	—	Moderate	Scanty	—	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 1 week from Sept. 3rd, 1922.	Warmth ..	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	—	—	0, 1, 0
	Rainfall ..	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	—	—	0, 0, 1
	Sunshine ..	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	—	0, 1, 0	0, 0, 1	—	—	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a Islands: l Lerwick	54	57	6th	42	9th	53·6	47·1	50·2	- 1·2	6	0·24	6	- 12										
a Islands: p Deerness, Orkney	165	58	6, 8	43	9th	55·4	47·4	51·2	- 1·0	2	0·11	3	- 14	Deerness	3·0	- 1·0	22	—	—	—	—	—	—
a Islands: t Stornoway	51	60	6th	38	9th	56·9	47·6	52·0	- 0·8	3	0·10	3	- 20	Stornoway	3·9	- 0·5	29	—	—	—	—	—	—
a Islands: t Castlebay, Barra I.	37	58	3rd	46	9th	56·3	50·7	53·4	—	3	0·13	3	—	Castlebay	4·2	—	31	—	—	—	—	—	—
b, Mainland: t Wick	81	61	5th	42	7th	56·0	47·1	51·3	- 1·4	2	0·03	1	- 14										
b, Mainland: a Strathpeffer	125	68	4, 5	36	9th	62·2	46·7	54·1	+0·3	1	0·01	0·3	- 13										
b, Mainland: h Achnashellach	225	65	4th	33	9th	60·7	46·4	53·2	+0·7	2	0·12	3	- 41	Achnashellach	—	—	—	1	29	—	—	—	—
b, Mainland: h Inverness	242	—	—	—	—	—	—	—	—	—	—	—	—	Inverness	—	—	—	—	—	—	—	—	—
b, Mainland: a Fort Augustus	68	68	4th	33	9th	61·6	45·0	52·9	- 0·9	1	0·06	2	- 18										
b, Mainland: p Fort William	171	66	4th	36	9th	62·4	45·4	53·5	- 1·0	1	0·05	1	- 36										
1. SCOTLAND, E.																							
t Nairn	82	69	5th	43	4, 9	60·9	47·0	53·6	- 0·1	1	0·04	1	- 9	Nairn	5·6	—	41	—	—	—	—	—	—
p Gordon Castle	101	70	4th	40	4th	62·1	44·9	53·1	- 1·0	3	0·12	3	- 9	Gordon Castle	5·8	—	43	—	—	—	—	—	—
t Aberdeen	46	64	6th	39	7th	58·6	47·0	52·5	- 1·5	2	0·10	3	- 7	Aberdeen	4·4	- 0·5	32	0	34	—	—	52·7	- 0·9
a Balmoral	930	67	4th	35	7th	60·4	41·4	50·4	- 0·5	2	0·03	1	- 10	Balmoral	—	—	—	1	30	—	—	—	—
p Crieff	432	66	4th	38	9th	62·7	45·3	53·6	- 1·0	1	0·04	1	- 13	Crathes	4·0	- 0·5	29	0	33	52·8	—	51·3	—
a Dundee	244	65	4th	38, 7, 9		62·1	44·6	52·9	- 1·7	2	0·06	2	- 8	Dundee	4·1	—	30	0	31	56·7	—	—	—
t Inchkeith (F. of Forth)	190	63	5th	45	9th	59·9	49·6	54·5	—	1	0·02	0·4	—	Inchkeith (F. of Forth)	4·6	—	34	0	40	—	—	—	—
p Edinburgh	441	66	5th	42	9th	59·1	47·1	52·8	- 1·6	3	0·03	1	- 8	Edinburgh	4·7	- 0·1	35	0	35	—	—	—	—
a West Linton	769	67	6th	28	9th	60·4	39·1	49·2	- 1·9	3	0·04	1	—	West Linton	—	—	—	2	24	—	—	—	—
a Marchmont	498	68	5th	43, 8	th	63·4	46·3	53·0	- 0·6	1	0·01	0·3	- 11	Marchmont	4·2	- 0·5	31	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	69	3rd	36	9th	63·0	43·9	53·0	—	1	0·16	4	—	Ford (Argyll)	—	—	—	0	32	57·4	—	55·3	—
t Renfrew	49	68	8th	36	9th	64·3	43·3	53·8	—	2	0·04	1	—	Renfrew	4·7	—	35	1	26	—	—	—	—
p Rothesay	200	65	9th	43	9th	62·4	48·0	54·9	0·0	1	0·07	2	- 22	Rothesay	6·3	—	48	0	35	56·9	—	54·9	- 0·4
a Kilmarnock	90	72	4th	33	9th	66·9	44·3	55·1	+1·3	1	0·04	1	- 18	Kilmarnock	5·9	—	44	—	—	56·3	—	54·5	—
a Colmonell	170	67	4th	36	9th	63·6	44·0	53·3	- 1·1	2	0·19	5	- 15	Colmonell	—	—	—	0	32	—	—	—	—
p Dumfries	160	70	4th	40	9th	64·3	45·0	54·2	- 1·1	1	0·04	1	- 15	Dumfries	5·4	—	40	1	28	57·1	- 0·1	55·1	- 2·5
t Eskdalemuir	794	68	4th	37	8th	61·1	43·3	51·8	—	0	0·00	0	—	Eskdalemuir	6·0	—	45	0	33	—	—	—	—
b, I. OF MAN h Douglas	284	64	7th	45	9th	60·7	49·1	54·6	- 0·7	2	0·19	5	- 14	Douglas	5·7	- 0.1	42	0	41	—	—	—	—
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	—	—	—	—	—	—	—	—	—	—	—	—	Cockle Park	2·0	- 2·7	15	0	35	53·7	0·0	53·1	- 1·3
a North: t Tynemouth	118	60	8th	45	8th	57·0	50·4	53·5	- 1·7	2	0·07	2	- 9	Tynemouth	—	—	—	0	42	—	—	—	—
a North: p Durham	336	64	5th	43	8, 9	60·1	47·7	53·6	- 1·5	2	0·05	1	- 10	Durham	1·5	- 2·9	11	0	31	—	—	—	—
a North: p Rounton	249	63	5, 6	43	9th	59·3	47·4	53·1	- 1·5	2	0·03	1	- 10	Rounton	—	—	—	0	38	55·9	—	—	—
a North: a West Witton	605	66	5th	41	8th	60·9	47·4	53·8	—	2	0·04	1	—	West Witton	—	—	—	0	36	54·3	—	52·7	—
a North: h Scarborough	118	63	5th	49	9th	60·4	51·9	56·0	- 0·8	1	0·01	0·3	- 11	Scarborough †	2·2	-2·8	17	—	—	—	—	57·4	—
a North: p York	56	66	7th	43	9th	62·6	49·9	56·0	- 0·7	1	0·02	1	- 9	York	2·0	- 2·5	15	—	—	57·6	- 3·3	56·0	- 1·2
b, South: t Spurn Head	26	65	5, 6	49	9th	60·9	52·4	56·5	- 1·1	2	0·05	1	- 8	Spurn Head	3·1	—	23	—	—	—	—	—	—
b, South: a Lincoln	58	69	5, 6	44	9th	64·6	51·7	57·8	+0·5	1	0·02	1	- 9	Lincoln	—	—	—	0	41	58·4	+ 0·2	57·0	- 0·7
b, South: t Cranwell	237	68	6th	43	9th	63·4	49·9	56·3	- 1·0	2	0·03	1	- 9	Cranwell	2·9	- 2·5	22	0	38	—	—	—	—
														Skegness	5·3	- 0·4	40	—	—	—	—	—	—
3. ENGLAND, E.																							
a, North: a Cromer	196	65	6th	50	9th	61·9	53·0	57·2	- 1·0	2	0·05	1	- 10	Cromer	6·4	+1·2	48	—	—	—	—	—	—
a, North: a Little Massingham	277	66	5, 6	47	3rd	62·1	49·9	55·7	- 0·9	4	0·15	4	- 11	Lit Massingham	6·6	+1·7	50	—	—	—	—	—	—
a, North: t Yarmouth	13	66	5th	45	7 h	62·0	51·4	56·5	- 1·6	5	0·19	5	- 8	Yarmouth	7·8	—	58	0	41	59·9	- 0·5	58·6	- 1·2
a, North: a Norwich	93	69	5, 6	43	7th	64·6	49·0	56·4	- 1·5	4	0·17	4	- 10	Norwich	6·8	—	51	0	38	58·8	—	—	—
a, North: a Geldeston	37	67	6th	41	7th	63·4	48·3	55·5	- 2·4	4	0·32	8	- 4	Geldeston	6·7	+1·5	51	—	—	—	—	—	—
b, East: p Cambridge	41	70	6th	41	3rd	63·9	48·0	55·6	- 2·4	1	0.01	0·3	- 11	Cambridge	4.5	- 0·7	34	0	36	59·3	- 0·5	58·6	- 0·8
b, East: t Clacton-on-Sea	54	66	6, 8	47	9th	63·4	51·3	57·1	- 1·6	1	0·03	1	- 10	Clacton-on-Sea	6·5	+0·5	49	0	44	59·0	- 0·8	59·0	- 0·7
b, East: a Rothamsted	420	66	6th	43	3, 9	61·9	48·1	54·7	- 2·2	0	0·00	0	- 13	Rothamsted	3·4	- 1·7	26	0	34	56·7	—	—	—
b, East: p Tottenham	51	68	4, 5, 7	45	3, 4	65·3	49·3	56·9	—	0	0·00	0	—	Tottenham	4·5	—	34	—	—	—	—	—	—
														Southend	6·9	—	52	0	45	59·8	—	—	—
4. MIDLAND COUNTIES.																							
c, North: h Harrogate	479	66	5th	41	9th	60·4	47·7	53·8	- 1·3	2	0·02	1	- 12	Harrogate	1·3	- 3·3	10	0	37	55·0	- 0·4	54·3	- 1·2
c, North: p Sheffield	429	65	5, 6	45	9th	61·7	50·4	55·8	—	2	0·02	1	—	Sheffield	1·6	- 2·7	12	0	40	55·9	- 1·0	54·8	- 1·1
c, North: p Buxton	987	62	3, 8	40	9th	59·6	45·6	52·3	- 1·2	2	0·15	4	- 17	Buxton	2·7	—	20	0	38	55·2	- 0·7	53·7	- 1·8
c, East: a Worksop	56	68	3, 5	44	9th	64·0	49·9	56·6	+0·1	2	0·20	5	- 5	Worksop	1·5	- 2·7	11	0	36	57·7	—	56·0	—
c, East: t Nottingham	82	69	6th	45	9th	63·4	51·6	57·2	+0·3	1	0·04	1	- 10	Nottingham	2·2	- 2·3	17	0	41	57·6	+0·3	57·4	- 0·8
c, East: p Birmingham, Edgbsn.	525	68	6th	44	9th	62·1	50·3	55·9	- 0·9	1	0·01	0.2	- 12	Birmingham	2·2	- 1·7	17	0	36	53·8	- 0·8	52·5	- 1·3
c, East: a Raunds	213	68	6th	45	9th	63·4	49·7	56·2	- 1·7	0	0.00	0	- 11	Raunds	3·4	—	26	0	41	59·4	—	—	—
c, East: p Oxford	208	69	5, 6	46	9th	65·3	50·6	57·6	- 0·2	1	0·01	0·3	- 11	Oxford	3·7	- 1·5	28	0	40	—	—	—	—
														Malvern	4·0	—	30	0	43	58·4	—	57·2	—
c, West: a Cheadle (N. Staffs.)	846	66	6th	40	9th	61·6	48·0	54·5	- 1·0	1	0·11	3	- 13	Cheadle	—	—	—	2	25	—	—	—	—
c, West: p Tenbury	313	69	6th	42	4th	64·9	46·4	55·2	- 1·0	1	0·01	0·3	- 11	Tenbury	—	—	—	0	38	57·3	—	—	—
c, West: a Hereford	291	70	6th	43	5th	64·7	47·6	55·7	- 1·1	0	0·00	0	- 11	Ross on Wye	3·6	—	27	0	42	58·9	—	57·7	—
c, West: a Clifton	225	68	6th	48	3rd	64·0	51·6	57·5	- 1·6	0	0·00	0	- 16	Clifton	4·3	—	32	0	46	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	68	6th	40	4th	65·9	46·7	55·8	0·0	1	0·03	1	- 15	Worthing	6·3	+0·2	48	0	44	60·1	- 1·1	59·4	- 1·0
a Porton	340	69	8th	41	4th	65·8	47·4	56·2	—	0	0·00	0	—	Marlborough	4·1	- 0·7	31	0	38	58·7	—	56·9	—
a Wisley, Surrey	150	67	5, 7	43	7th	63.3	47·9	55·2	- 2·5	0	0·00	0	- 15	Porton	—	—	—	0	36	57·9	—	—	—
h Tunbridge Wells	354	69	5, 6	41	7th	65·3	47·3	55·9	- 2·1	0	0·00	0	- 16	Wisley, Surrey	3·4	- 1·9	26	0	34	58·9	- 1·8	57·6	- 1·4
h Margate	51	65	6th	53	9th	61·9	56·3	59·0	- 1·0	0	0·00	0	- 14	Tunbridge Wells	5·9	+0·2	45	0	33	58·8	—	58·5	—
														Margate	5·3	- 0·2	40	0	49	61·3	+0·4	61·5	+1·0
t Dungeness	21	67	6th	45	7th	64·4	49·7	56·7	- 2·7	0	0·00	0	- 14	Folkestone	6·5	—	49	—	—	—	—	59·7	—
h St. Leonards	178	67	6, 7	48	9th	64·6	51·9	58·0	- 1·5	2	0·12	3	- 14	St. Leonards	6·1	+0·1	46	0	42	60·8	—	59·8	—
p Southampton	64	70	6th	46	4th	66·3	51·1	58·3	- 1·4	0	0·00	0	- 16	Southampton	5·9	+0·1	44	0	39	—	—	—	—
a Ventnor	59	67	6th	50	3, 8	65·9	53·3	59·3	- 1·2	0	0·00	0	- 17	Ventnor	6·0	+0·2	46	—	—	—	—	—	—
LONDON: t Richmond (Kew Obs.)	18	69	6th	45	7th	63·8	50·2	56·7	- 1·8	0	0·00	0	- 14	Richmond	3·6	- 1·5	27	0	38	57·9	- 1·5	57·4	- 0·9
a Westminster	27	69	5, 6, 7	47	7th	65·6	51·3	58·1	- 1·5	0	0·00	0	- 13	Westminster	4·4	- 0·2	33	—	—	—	—	—	—
ae Greenwich	149	69	5, 7	43	7th	65·4	48·4	56·5	- 2·9	0	0·00	0	- 13	Greenwich	4·5	- 0·8	34	0	35	—	—	—	—
a Hampstead	450	67	5th	44	9th	62·4	50·1	56·0	—	0	0·00	0	—	Hampstead	4·8	—	36	0	37	—	—	—	—
a Camden Square	110	—	—	45	3rd	—	50·0	—	—	0	0·00	0	- 14	Camden Square	—	—	—	0	42	57·8	—	57·2	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	66	5th	37	9th	61·9	45·0	53·0	- 2·1	1	0·02	1	- 18	Aspatria	5·3	+0·2	40	0	33	55·7	- 0·7	53·6	- 1·7
p Newton Rigg	559	68	4th	38	8th	63·6	44·6	53·6	- 0·4	0	0·00	0	- 16	Newton Rigg	3·9	- 1·0	29	0	33	—	—	—	—
p Stonyhurst	375	66	6th	41	9th	62·1	50.1	55.8	+ 0·6	1	0·01	0·2	- 22	Stonyhurst	4·0	- 0·8	30	0	36	—	—	—	—
h Blackpool	66	68	5th	41	9th	63·6	49·1	56·0	- 0·4	0	0·00	0	- 16	Blackpool	5·6	+0·1	42	0	35	57·4	—	55·0	—
h Southport	37	70	5th	42	9th	62·5	49·0	55·4	- 1·0	0	0·00	0·1	- 16	Southport	5·2	- 0·2	39	0	31	58·4	- 0·6	58·6	- 1·0
														Hoylake	4·0	- 1·2	30	—	—	—	—	—	—
t Liverpool (Bidston)	188	66	5th	44	9th	61·0	52·0	56·3	- 0·7	0	0·00	0	- 14	Liverpool	4·0	—	30	0	37	—	—	—	—
a Hawarden Bridge	22	69	5th	49	8, 9	62·9	51·4	56·9	- 0·5	1	0·01	0·3	- 11	Manchester City	3·0	- 1·0	22	0	41	56·8	- 1·1	57·2	- 2·1
p Manchester (Whit. Pk.)	125	66	5th	44	8th	63·1	49·4	55·9	- 1·4	1	0.01	0·2	- 14	„ Whit. Pk.	3·1	- 0·9	23	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	66	5th	42	8th	61·6	45·4	53·1	- 4·7	1	0·02	1	- 12	Llandudno	3.6	- 2·0	27	—	—	—	—	—	—
t Holyhead	15	65	4, 5	49	9th	60·1	51·9	55·8	- 1·3	2	0·09	2	- 13	Holyhead	5·1	—	38	0	45	—	—	—	—
a Aberdovey	60	—	—	—	...	—	—	—						Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
b Aberystwyth	16	65	5th	47	4th	61·9	50·7	56·0	—	1	0·04	1	—	Aberystwyth	4·4	- 0·8	33	—	—	—	—	—	—
a Rhayader	757	66	4th	42	4th	61·7	46·4	53·7	—	1	0·11	3	—	Rhayader ..	2·9	—	22	0	34	—	—	—	—
t Pembroke	149	63	4, 6, 8	51	4th	61·3	53·1	56·9	- 0·7	1	0·12	3	- 13	Pembroke ..	5·0	- 0·3	38	—	—	—	—	—	—
p Cardiff	202	71	6th	46	4th	64·9	50·4	57·3	- 0·8	0	0·00	0	- 19	Cardiff ..	5·3	—	40	0	41	58·4	- 0·9	57·1	- 1·6
b, ENGLAND, S.W.																							
h Bath	66	68	6th	46	3, 4	64·7	51·1	57·6	- 0·1	1	0·01	0·3	- 13	Bath	3·4	- 2·1	25	—	—	59·9	—	59·2	—
a Shaftesbury	722	68	6th	46	8, 9	63·1	49·9	56·2	- 0·8	1	0·02	1	- 13	Shaftesbury ..	—	—	—	—	—	58·4	—	57·8	—
a Arlington	613	67	4th	46	4th	62·4	49·8	55·8	- 0·5	2	0·08	2	- 22										
h Newquay	190	66	4th	50	5th	61·5	53·7	57·4	- 1·2	2	0·12	3	- 12	Newquay ..	4·7	- 1·0	36	—	—	59·6	—	57·9	—
a Cullompton	202	71	6th	41	3rd	65·4	48·6	56·6	- 0·7	0	0·00	0	- 14	Cullompton ..	4·2	- 0·9	32	0	38	58·7	—	—	—
t Portland Bill	19	64	4, 5, 6	50	3rd	62·9	52·9	57·7	- 1·6	0	0·00	0	- 11	Weymouth ..	4·2	—	32	—	—	—	—	—	—
p Plymouth	116	68	6th	48	3, 4	64·3	51·3	57·5	- 1·2	1	0·07	2	- 13	Plymouth ..	3·9	- 1·7	30	0	45	58·8	- 1·9	58·0	—
h Falmouth	167	70	6th	51	3rd	63·6	53·1	58·1	- 0·2	1	0·17	4	- 13	Falmouth ..	4·3	- 1·5	33	0	44	62·1	—	61·2	—
9. IRELAND, N.																							
t Malin Head	71	63	5th	46	7th	58·9	50·9	54·7	- 0·7	1	0·04	1	- 15	Malin Head ..	4·7	—	35	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	—	—	—	—	—	—	—	—	—
b, East .. *p* Armagh	204	64	4th	42	6, 7	60·9	46·9	53·6	- 1·3	1	0·03	1	- 14	Armagh ..	5·2	+0·7	39	0	33	57·1	- 0·8	55·5	- 1·5
t Donaghadee	35	66	5th	49	4, 6, 9	59·0	49·9	54·2	- 1·3	2	0·20	5	- 9										
10. IRELAND, S.														Trinity Coll.	—	—	—	—	—	—	—	—	—
p Dublin City	54	67	5th	45	7th	62·0	49·4	55·4	- 1·7	2	0·20	5	- 7	Phœnix Park	—	—	—	—	—	—	—	—	—
t Birr Castle	175	64	4, 5	40	7, 8	62·1	48·1	54·8	- 0·7	2	0·24	6	- 8	Dublin City ..	—	—	—	0	40	—	—	—	—
a, East .. *a* Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	0	34	—	—	—	—
a Waterford	137	67	8th	44	7th	63·9	48·9	56·0	- 0·9	3	0·24	6	- 10										
p Seskin, Carrick-on-Suir	542	65	5, 6, 8	43	7th	63·1	47·6	55·0	—	2	0·11	3	—	Seskin ..	6·3	—	47	0	37	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	8th	52	5th	62·7	53·7	58·0	- 1·6	2	0·38	10	- 4	Scilly ..	4·9	- 0·9	37	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	68	6th	48	4th	65·6	54·3	59·7	- 1·6	0	0·00	0	- 14	St. Heliers ..	7·1	+0·8	54	—	—	—	—	—	—
p Guernsey† ..	173	67	4, 5, 6	47	4th	64·6	52·7	58·4	- 2·8	0	0·00	0	- 15	Guernsey ..	7·7	+1·4	59	0	42	61·3	- 1·0	60·9	- 1·0

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 9th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	d. hr.	m.p.h	d. h. m.
0. SCOTLAND, N.																
**Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	47	108	13	0	150	22	10 5 9	—	—
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	80	88	0	350	8	4 8 11	23	10 8 12 50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	1	132	35	0	300	13	6 8 8	—	— — —
Edinburgh	485	39	31	—	0	—	0	12	94	62	0	20	16	7 8 24	26	12 8 11 50
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	—	0	15	80	73	0	10	19	9 9 10	27	12 8 14 0
Paisley	188	81	15	—	0	—	0	0	103	65	0	180	12	5 5 15	27	12 8 14 5
2. ENGLAND, N.E.																
South Shields	72	61	12	—	0	—	0	39	84	45	0	20	21	9 9 14	34	15 9 4 25
Spurn Head	67	41	‡	—	0	8, 9	23	47	66	32	0	340	32	14 9 13	42	19 9 11 55
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	9	4	60	71	33	0	360	26	12 9 1	41	18 9 21 40
Shoeburyness	103	90	‡	—	0	—	0	2	80	21	65	70	14	6 5 13	23	10 4 9 5
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	17	109	42	0	20	18	8 9 15	34	15 9 14 40
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	4	126	38	0	—	14	6 8 9	23	10 8 15 20
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	23	126	19	0	30	18	8 9 9	25	11 9 10 5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	3	87	78	0	350	15	7 9 10	25	11 9 16 30
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	1	116	51	0	350	13	6 9 5	22	10 9 5 20
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	15	106	47	0	30	18	8 8 24	—	— — —
Southport	80	62	48	—	0	—	0	18	109	41	0	360	17	8 9 15	26	12 9 14 0
7. *b*. NORTH WALES.																
Holyhead	60	40	‡	—	0	—	0	58	84	26	0	340	20	9 8 20	27	12 8 19 50
8. *b*. ENGLAND, S.W.																
Pendennis Castle ..	256	65	24	—	0	—	0	1	82	85	0	60	16	7 8 12	20	9 8 12 0
Plymouth	185	88	2	—	0	—	0	5	82	81	0	—	17	7 8 11	29	13 8 10 30
Lyme Regis	556	61	‡	Defective Records.												
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	—	—	—	—	—	—	— — —	—	— — —
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	— — —	—	— — —
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	— — —	—	— — —
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	— — —	—	— — —
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	40	94	34	0	50	21	9 9 {14 / 15	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡ Standard mounting.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SIXTH WEEK of 1922—September 3rd to September 9th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	68	33	59·1	46·5	52·5	− 0.5	73	− 5	0	0	2	− 3	0·09	2	− 21	3·5	− 0·5	25	1027
Eastern.																			
1. SCOTLAND, EAST ..	70	28	60·7	45·1	52·5	− 1·2	73	− 11	0	0	2	− 2	0·05	1	− 10	4·5	− 0·3	33	1027
2. ENGLAND, N.E. ..	69	43	61·0	50·2	55·3	− 0·6	93	− 5	0	0	2	− 1	0·03	1	− 10	2·7	− 2·3	20	1026
3. ENGLAND, EAST ..	70	41	63·2	49·8	56·2	− 1·5	99	− 12	0	0	2	− 1	0·10	3	− 9	5·8	+0·6	44	1024
4. MIDLAND COUNTIES	70	40	63·4	49·3	56·0	− 0·7	98	− 5	0	0	1	− 2	0·04	1	− 11	2·6	− 2·2	19	1025
5. ENGLAND, S.E. ..	70	40	64·7	50·2	57·1	− 1·7	106	− 11	0	0	0	− 3	0·01	0	− 15	5·3	− 0·3	40	1025
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	33	63·6	45·4	54·1	− 0·6	85	− 5	0	0	1	− 3	0·10	3	− 18	—	—	—	1027
7. ENGLAND, N.W. (*and North Wales*)	70	37	62·2	48·8	55·1	− 1·2	92	− 8	0	0	1	− 3	0·02	1	− 15	4·4	− 0·7	33	1027
8. ENGLAND, S.W. (*and South Wales*)	71	41	63·4	50·7	56·7	− 0·8	103	− 6	0	0	1	− 3	0·06	2	− 15	4·1	− 1·2	31	1025
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1027
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	68	47	64·3	53·6	58·7	− 1·8	117	− 12	0	0	1	− 2	0·13	3	− 11	6·6	+0·4	50	1025
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, September 3rd to September 9th, 1922.

0. SCOTLAND, NORTH ..	68	33	59·1	46·5	52·5	− 0·5	73	− 5	0	0	2	− 3	0·09	2	− 21	3·5	− 0·5	25	1027
Eastern.																			
1. SCOTLAND, EAST ..	70	28	60·7	45·1	52·5	− 1·2	73	− 11	0	0	2	− 2	0·05	1	− 10	4·5	− 0·3	33	1027
2. ENGLAND, N.E. ..	69	43	61·0	50·2	55·3	− 0·6	93	− 5	0	0	2	− 1	0·03	1	− 10	2·7	− 2·3	20	1026
3. ENGLAND, EAST ..	70	41	63·2	49·8	56·2	− 1·5	99	− 12	0	0	2	− 1	0·10	3	− 9	5·8	+ 0·6	44	1024
4. MIDLAND COUNTIES	70	40	63·4	49·3	56·0	− 0·7	98	− 5	0	0	1	− 2	0·04	1	− 11	2·6	− 2·2	19	1025
5. ENGLAND, S.E. ..	70	40	64·7	50·2	57·1	− 1·7	106	− 11	0	0	0	− 3	0·01	0	− 15	5·3	− 0·3	40	1025
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	33	63·6	45·4	54·1	− 0·6	85	− 5	0	0	1	− 3	0·10	3	− 18	—	—	—	1027
7. ENGLAND, N.W. (*and North Wales*)	70	37	62·2	48·8	55·1	− 1·2	92	− 8	0	0	1	− 3	0·02	1	− 15	4·4	− 0·7	33	1027
8. ENGLAND, S.W. (*and South Wales*)	71	41	63·4	50·7	56·7	− 0·8	103	− 6	0	0	1	− 3	0·06	2	− 15	4·1	− 1·2	31	1025
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1027
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	68	47	64·3	53·6	58·7	− 1·8	117	− 12	0	0	1	2	0·13	3	− 11	6·6	+ 0·4	50	1025
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 36 Weeks, January 1st to September 9th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·8	40·1	45·2	− 1·0	1293	−327	489	− 50	170	+ 4	29·19	742	− 73	3·7	+0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51 8	39·1	45·2	− 1·5	1426	−396	627	+10	148	+ 6	19·65	501	− 11	4·0	− 0·3	29	1010
2. ENGLAND, N.E. ..	84	12	54·4	41·4	47·6	− 0·7	1925	−150	509	+37	129	+ 2	17·53	447	+34	4·5	− 0·1	33	1012
3. ENGLAND, EAST ..	89	16	56·0	42·5	48·9	− 0·5	2173	−212	431	− 63	130	+ 7	18·12	461	+70	5·0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·8	41·1	48·1	− 1·0	2041	−298	496	− 26	133	+11	22·23	566	+125	4·2	− 0·3	32	1013
5. ENGLAND, S.E. ..	88	17	56·8	43·4	49·8	− 0·7	2291	−237	318	− 61	131	+12	19·52	496	+72	5·1	− 0·1	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·4	40·8	46·8	− 1·4	1659	−334	448	+32	150	+ 1	30·32	773	+22	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·9	42·4	47·9	− 1·1	1846	−316	360	− 22	135	+ 1	22·53	574	+ 8	4·5	− 0·1	34	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·6	43·5	49·3	− 0·9	2102	−277	268	− 33	142	+ 9	25·63	655	+52	4·8	− 0·2	36	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·9	47·4	52·0	− 0·4	2562	−157	50	− 55	142	+ 6	22·30	568	+83	5·5	− 0·4	41	1014
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
15th September, 1922.

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VI.C.3.

METEOROLOGICAL OFFICE LIBRARY 25 SEP 1922

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 145

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 37.

THIRTY-SEVENTH WEEK.
SUNDAY, SEPTEMBER 10TH, TO SATURDAY, SEPTEMBER 16TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week atmospheric conditions over the country generally were anticyclonic, but as the week advanced the weather became cloudy and unsettled. A depression which was formed over Iceland on the 11th moved south-eastwards, and by the morning of the 13th was centered over the British Isles. Rainfall measurements of 25mm. or more were recorded at a number of stations, amongst the largest being 41mm. at Holyhead, 35mm. at Douglas (Isle of Man), 30mm. at Plymouth, 29mm. at Newquay, 28mm. at Arlington (Devon) and 26mm. at Falmouth and Tenby on the 12th, 30mm. at Cockle Park (Northumberland) and 26mm. at Scilly on the 13th, 41mm. at Little Massingham (Norfolk) on the 14th, and 30mm. at Ford (Argyll) on the 16th. Thunderstorms occurred in several places, notably on the 13th, and at one or two stations hail was reported. North-westerly gales occurred in the English Channel on the 13th and 14th. The highest temperatures of the week were registered on various days, and at a few stations maxima of about 65°F. were recorded, the actual highest being 68°F. at Gordon Castle (Elgin) and 67°F. at Aberdeen on the 11th, and 67°F. at Dublin on the 16th. The lowest of the minimum temperatures were recorded either at the beginning or at the end of the week; West Linton (Peebles) registered a screen minimum temperature of 24°F. and Balmoral a reading of 26°F. on the 10th and Eskdalemuir recorded 29°F. on the 16th, while frost on the grass occurred in many places. Mean temperature for the week was decidedly below the normal in all districts. The sunniest days of the week were the 10th and 11th in most parts of the country, when at a large number of stations between 11 hours and 12 hours sunshine were obtained, amongst the largest records being 12·4 hours at Liverpool, 12·2 hours at Blackpool and 12·0 hours at Aberystwyth, Hoylake, Lancaster and Torquay on the 10th; 11·8 hours at Clacton and 11·7 hours at Felixstowe on the 11th. The mean amount of sunshine for the week, however, was below the normal in all districts. The departure of the mean duration from the normal ranged from +0·2 hours at Cullompton to −2·8 hours at Marchmont and Cockle Park. Aurora was witnessed at Ford and Rothesay on the 14th and at Gordon Castle on the 15th. Solar halos were observed at Ross-on-Wye on the 11th, at Oxford on the 11th and 12th and at Aberdeen on the 14th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	13	8	3·6	13	9	3·8	8	13	5·9	8	9	3·8	11	12	5·4	6	11	4·7	—	—	—	—	—	—
North	13	15	6·6	10	12	5·2	12	14	6·2	13	8	3·6	15	13	5 7	18	16	7·3	—	—	—	—	—	—
West	14	7	3·1	17	11	5·0	11	9	3·9	14	6	2·6	19	10	4·4	20	19	8·7	—	—	—	—	—	—
East	11	8	3·6	7	9	3·8	6	5	2·1	4	4	1·7	6	6	2·6	5	4	1·7	—	—	—	—	—	—
Calm (or wind-speed < 4 m.p.h.)	2	—	—	2	—	—	7	—	—	7	—	—	2	—	—	0	—	—	—	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	3	—	—	—	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*)	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	—	—	Very Deficient
	Rainfall ..	Moderate	Moderate	Very Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	—	—	Very Heavy
	Sunshine ..	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	—	Scanty	Moderate	—	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 2 weeks from Sept. 3rd, 1922.	Warmth ..	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 1, 1	—	—	0, 1, 1
	Rainfall ..	0, 1, 1	0, 1, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	—	—	1, 0, 1
	Sunshine ..	0, 1, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 0, 2	0, 2, 0	—	0, 1, 1	0, 1, 1	—	—	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

1 mm. (0·0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	55	11, 13, 14	38	16th	52·9	46·0	49·3	- 1·8	6	1·31	33	+16										
p Deerness, Orkney	165	61	11, 12	42	15th	56·1	47·4	51·5	- 0·4	5	0·98	25	+ 9	Deerness	2·0	- 1·9	15	—	—	—	—	—	—
a Islands: *t* Stornoway	51	60	13th	40	10, 15	56·1	44·3	49·9	- 2·5	5	0·80	20	- 2	Stornoway	3·0	- 1·2	23	—	—	—	—	—	—
t Castlebay, Barra I.	37	60	13th	45	15th	55·6	50·7	53·0	—	6	0·92	23	—	Castlebay	2·6	—	20	—	—	—	—	—	—
t Wick	81	61	11th	35	10 16	55·4	45·4	50·2	- 2·1	5	0·67	17	+ 3										
a Strathpeffer	125	66	11th	36	10th	59·0	46·6	52·5	- 0·6	4	0·30	7	- 5										
b, Mainland: *h* Achnashellach	225	61	13th	34	10th	57·4	46·4	51·6	- 0·4	5	1·32	34	- 8	Achnashellach	—	—	—	1	30	—	—	—	—
h Inverness	242	62	10, 11	37	10th	57·9	45·6	51·5	—	5	0·39	10	—	Inverness	—	—	—	1	30	—	—	—	—
a Fort Augustus	68	60	10th	32	10th	57·6	45·3	51·2	- 1·9	4	0·38	10	- 9										
p Fort William	171	61	10, 11, 13	35	10th	58·3	45·9	51·8	- 2·1	7	1·17	30	- 5										
1. SCOTLAND, E.																							
t Nairn	82	65	11th	35	10th	59·1	45·9	52·2	- 0·8	5	0·42	11	- 1	Nairn	3·8	—	30	—	—	—	—	—	—
p Gordon Castle	101	68	11th	37	15, 16	60·1	44·6	52·0	- 1·5	4	0·50	13	0	Gordon Castle	3·5	—	27	—	—	—	—	—	—
t Aberdeen	46	67	11th	36	10th	58·0	45·0	51·2	- 2·2	5	0·22	5	- 7	Aberdeen	3·0	- 1·3	23	2	28	—	—	52·5	- 0·6
a Balmoral	930	63	11th	26	10th	56·1	39·4	47·4	- 2·8	5	0·32	8	- 4	Balmoral	—	—	—	2	23	—	—	—	—
p Crieff	432	62	10th	35	10th	58·3	43·6	50·6	- 3·3	3	0·45	11	- 4	Crathes	3·0	- 1·0	23	2	27	51·1	—	51·0	—
a Dundee	244	64	11th	32	10th	59·7	42·7	50·8	- 3·1	5	0·29	7	- 4	Dundee	3·4	—	26	2	27	54·4	—	—	—
t Inchkeith (F. of Forth)	190	60	16th	43	10, 16	57·0	48·0	52·3	—	3	0·45	11	—	Inchkeith (F. of Forth)	2·4	—	18	1	30	—	—	—	—
p Edinburgh	441	61	10, 16	41	10th	57·3	46·6	51·7	- 2·0	5	0·49	13	+ 3	Edinburgh	2·3	- 1·9	18	1	30	—	—	—	—
a West Linton	769	58	16th	24	10th	54·6	39·6	46·7	- 3·7	6	0·68	17	—	West Linton	—	—	—	2	21	—	—	—	—
a Marchmont	498	63	11th	34	16th	58·0	43·6	50·5	- 2·4	—	—	—	—	Marchmont	1·4	- 2·8	11	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	60	13rd	34	10th	57·0	45·1	50·8	—	5	2·02	51	—	Ford (Argyll)	—	—	—	0	31	55·7	—	55·1	—
t Renfrew	49	61	10th	31	10th	58·3	44·0	50·8	—	4	0·68	17	—	Renfrew	2·6	—	20	2	25	—	—	—	—
p Rothesay	200	62	14th	41	15th	57·7	46·3	51·7	- 2·4	5	1·06	27	+ 8	Rothesay	3·1	—	24	0	34	54·7	—	54·5	- 0·2
a Kilmarnock	90	62	10, 14	34	10th	59·6	45·1	52·0	- 1·0	4	0·47	12	- 3	Kilmarnock	2·9	—	22	—	—	54·0	—	54·2	—
a Coimonell	170	61	10th	34	10th	57·9	44·9	51·1	- 2·6	5	0·82	21	+ 5	Colmonell	—	—	—	1	30	—	—	—	—
p Dumfries	160	61	14, 16	36	10th	57·3	44·1	50·4	- 3·9	4	0·81	21	+ 9	Dumfries	2·3	—	18	2	28	54·4	- 1·5	54·7	- 2·2
t Eskdalemuir	794	58	10th	29	16th	53·0	40·0	46·2	—	4	0·99	25	—	Eskdalemuir	2·5	—	20	2	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	58	10, 16	39	10th	56·1	46·9	51·3	- 3·3	6	2·09	53	+38	Douglas	2·9	- 2·5	22	0	35	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	—	—	—	—	—	—	—	—	—	—	—	—	Cockle Park	1·9	- 2·8	14	1	30	50·8	1·8	52·6	- 0·9
t Tynemouth	118	62	11, 16	39	16th	57·0	46·7	51·6	- 2·8	4	0·96	25	+17	Tynemouth	—	—	—	0	35	—	—	—	—
p Durham	336	60	11, 16	35	16th	55·4	41·9	48·3	- 5·8	5	1·28	33	+26	Durham	2·1	- 2·1	17	2	28	—	—	—	—
a North: *p* Rounton	249	60	11, 16	35	16th	56·0	42·9	49·1	- 4·6	4	1·12	29	+21	Rounton	—	—	—	4	25	53·7	—	—	—
a West Witton	605	60	10th	35	16th	55·6	43·7	49·4	—	4	1·55	39	—	West Witton	—	—	—	1	29	51·5	—	52·4	—
h Scarborough	118	63	12th	40	16th	57·7	47·9	52·6	- 3·4	4	0·97	25	+17	Scarborough †	2·3	- 2·6	18	—	—	—	—	57·0	—
p York	56	61	10, 16	39	16th	58·0	45·1	51·2	- 4·5	5	0·86	22	+15	York	2·3	- 2·1	18	—	—	55 8	- 1 2	55·9	- 0 9
b, South: *t* Spurn Head	26	64	12th	43	16th	58·7	48·0	53·1	- 3·7	4	0·90	23	+17	Spurn Head	3·7	—	29	—	—	—	—	—	—
a Lincoln	58	64	12th	38	16th	60·1	43·7	51·5	- 4·9	4	1·12	28	+21	Lincoln	—	—	—	0	36	54·4	- 2·7	56·9	- 0·3
t Cranwell	237	62	12, 13	39	12, 16	58·9	42·6	50·4	- 6·0	4	1·05	27	+20	Cranwell	3·9	- 1·3	31	0	31	—	—	—	—
														Skegness	4·3	- 1·2	34	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	63	13th	40	16th	59·6	47·6	53·3	- 4·3	5	0·58	15	+ 7	Cromer	4·4	- 1·0	34	—	—	—	—	—	—
a Little Massingham	277	63	2th	38	16th	59·7	46·6	52·8	- 3·0	6	2·20	56	+46	Lit Massingham	3·6	- 1·5	28	—	—	—	—	—	—
a, North: *t* Yarmouth	13	64	14th	40	16th	60·3	47·0	53·3	- 4·1	6	1·71	43	+34	Yarmouth	5·1	—	40	0	35	57·3	- 2·1	57·7	- 1·6
a Norwich	93	65	11th	38	12th	60·9	45·0	52·6	- 4·4	6	1·08	27	+17	Norwich	3·9	—	30	0	33	55·9	—	—	—
a Geldeston	37	65	14th	37	12, 16	60·9	42·6	51·3	- 5·8	6	1·01	26	+17	Geldeston	4·0	- 1·6	31	—	—	—	—	—	—
p Cambridge	41	64	11, 12, 13	36	16th	61·1	42·9	51·6	- 5·5	4	0·87	22	+14	Cambridge	3·5	- 1·9	27	0	32	56·6	- 2·1	58·1	- 0·8
t Clacton-on-Sea	54	64	14th	40	16th	60·6	46·9	53·4	- 4·5	3	0·69	17	+ 9	Clacton-on-Sea	5·7	- 0·6	44	0	34	55·9	- 3·1	58·2	- 1·1
q, South: *a* Rothamsted	420	61	11, 13	35	12th	58·6	42·4	50·1	- 5·9	4	1·04	26	+17	Rothamsted	3·5	- 1·9	27	2	29	54·1	—	—	—
p Tottenham	51	64	11th	41	12, 16	60·6	45·4	52·6	—	3	0·59	15	—	Tottenham	4·5	—	35	—	—	—	—	—	—
														Southend	5·0	—	39	0	40	57·9	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	59	11, 16	38	16th	56·0	44·0	49·7	- 4·6	5	1·51	38	+30	Harrogate	2·4	- 2·3	19	0	31	52 9	- 1·6	54·0	- 0·9
a, North: *p* Sheffield	429	62	11th	40	16th	57·4	45·6	51·2	—	6	1·30	32	—	Sheffield	2·1	- 2·1	17	0	32	53·7	- 2·1	54·4	- 1·1
p Buxton	987	60	11, 13	35	11th	56·6	41·9	48·9	- 3·7	5	1·23	31	+17	Buxton	3·3	—	25	0	31	51·8	- 2·9	53·6	- 1·4
a Worksop	56	63	10, 11	38	11, 16	60·1	44·3	51·8	- 3·8	4	0·89	23	+17	Worksop	2·3	- 1·9	18	0	31	54·8	—	55·6	—
t Nottingham	82	61	11, 13	39	16th	58 7	44·3	51·2	- 4·8	3	0·82	21	+14	Nottingham	2·9	- 1·6	22	0	34	53·8	- 2·3	56·4	- 1·1
b, East: *p* Birmingham, Edgbsn.	525	63	13th	38	10th	58·0	43·6	50.5	- 5·5	4	1·05	27	+19	Birmingham	3·1	- 0·8	24	1	30	51·2	- 2·7	52·4	- 1·2
a Raunds	213	63	13th	37	12th	60·3	43·9	51·7	- 5·3	5	0.89	23	+17	Raunds	3·4	—	27	0	32	56·4	—	—	—
p Oxford	208	62	10th	38	12th	59·6	43·1	51·0	- 5·9	4	0·69	18	+11	Oxford	3·3	- 1·9	26	1	30	—	—	—	—
														Malvern	4·7	—	37	0	38	55·5	—	57·1	—
a Cheadle (N. Staffs.)	646	62	13th	37	10th	57·4	43·7	50·2	- 4·5	3	0·96	24	+14	Cheadle	—	—	—	—	28	—	—	—	—
e, West: *p* Tenbury	313	64	13th	35	10, 11	59·7	39·1	48·9	- 6·4	5	0·77	20	+14	Tenbury	—	—	—	1	30	55·1	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	3·9	—	31	0	31	55·2	—	57·4	—
a Clifton	225	60	10, 11, 14, 15	40	10th	58·4	45·7	51·8	- 6·4	5	0·90	23	+13	Clifton	4·1	—	32	0	42	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	62	11th	33	12th	58·6	40·9	49·3	- 5·5	5	0·85	22	+14	Worthing	6·2	- 0·1	48	0	37	57·1	- 3·0	58·8	- 1·1
a Porton	363	62	11th	35	12, 16	59·6	42·1	50·4	—	5	0·80	20	—	Marlborough	2·6	- 2·2	20	0	33	56·1	—	56·5	—
a Wisley, Surrey	150	64	11th	36	16th	60.4	43·1	51·3	- 5·4	4	0·76	19	+11	Porton	4·0	—	31	1	30	55·1	—	—	—
h Tunbridge Wells	354	65	11th	36	16th	61·1	42·9	51·6	- 5·5	5	1·31	33	+24	Wisley, Surrey	3·3	- 2·1	26	2	27	55 0	- 3 5	56·8	- 1·7
h Margate	51	63	12, 13	42	16th	60·0	50·7	55·1	- 4·1	4	1·22	31	+23	Tunbridge Wells	4·8	- 0·9	38	2	27	56·5	—	58·0	—
														Margate	5·2	- 0·5	41	0	39	58·2	- 1·6	60·7	+0·8
t Dungeness	21	63	11th	38	16th	60·9	46·1	53·1	- 5·5	5	1·47	37	+29	Folkestone	5·2	—	41	—	—	—	—	59·6	—
h St. Leonards	178	63	12th	43	16th	60·9	46·6	53·4	- 5 3	5	1·43	36	+27	St. Leonards	4 8	- 1·4	37	0	35	57·9	—	59·2	—
p Southampton	64	65	11th	39	16th	62·0	45·9	53·6	- 5·1	4	0·86	22	+13	Southampton	5·6	- 0·2	44	0	31	—	—	—	—
a Ventnor	59	65	14th	43	10th	62·0	48·3	54·8	- 5·0	4	1·28	33	+23	Ventnor	6·0	+0·1	47	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	63	11th	39	16th	60·3	45·3	52·4	- 5·0	3	0·54	14	+ 7	Richmond	4·4	- 0·8	34	1	28	55 0	- 3·3	56·8	- 1·1
a Westminster	27	64	11, 14	39	16th	61·9	46·6	53·9	- 4·7	4	0·58	15	+ 8	Westminster	4·0	- 0·5	31	—	—	—	—	—	—
a, Greenwich	149	65	11, 12, 13	38	16th	62·7	44·4	53·1	- 5·2	5	0·81	21	+14	Greenwich	4·3	- 1·1	33	2	29	—	—	—	—
a Hampstead	450	62	11, 13	38	16th	59·6	44·4	51·6	—	4	0·76	19	—	Hampstead	4·7	—	37	1	29	—	—	—	—
a Camden Square	110	67	11th	39	16th	62·4	45·9	53·8	- 5·1	4	0·67	17	+10	Camden Square	—	—	—	0	36	55·4	—	56·7	—
7*t*, *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	57	12, 14, 16	36	10th	55·6	43·1	49·1	- 5·4	6	0·96	24	+ 8	Aspatria	2·5	- 2·4	19	0	33	53·3	- 1·8	53·5	- 1·4
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	60	16th	38	10th	56·4	44.7	50.3	- 4·3	5	1·43	36	+17	Stonyhurst	2·7	- 1·8	21	0	31	—	—	—	—
h Blackpool	66	60	11, 16	39	10th	57·1	47·1	51·9	- 4·0	5	1·75	44	+30	Blackpool	3·0	- 2·1	23	1	30	55 4	—	55·0	—
h Southport	37	62	16th	38	10th	57·7	47·1	52·2	- 3·6	5	1·19	30	+16	Southport	3·8	- 1·1	30	1	27	55·4	- 2 3	57·9	- 0 9
														Hoylake	4·0	- 0·8	31	—	—	—	—	—	—
t Liverpool (Bidston)	188	64	16th	42	10th	58·0	46·7	52·1	- 4·3	5	0·65	17	+ 5	Liverpool	4·3	—	33	0	34	—	—	—	—
a Hawarden Bridge	22	65	16th	41	11th	59·6	45·7	52·3	- 4·4	5	0·68	17	+ 8	Manchester City	2·1	- 1·7	16	0	37	53·7	- 3 2	56·8	- 1·9
p Manchester (Whit. Pk.)	125	61	10, 16	37	10th	58·6	44·7	51·3	- 5·1	4	0.91	23	+11	„ Whit. Pk.	1·8	- 2·0	14	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	66	16th	33	10th	59·3	42·0	50·2	- 7·1	5	0·79	20	+ 9	Llandudno	3.8	- 1·4	30	—	—	—	—	—	—
t Holyhead	15	58	10, 14, 16	46	10, 11	56·6	49·6	52·9	- 3·9	6	1·94	49	+36	Holyhead	3·5	—	27	0	40	—	—	—	—
a Aberdovey	60	61	14th	45	10th	59·0	49·7	54·1	—	5	1·17	30	—	Aberdovey	4·6	- 0·9	36	0	31	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 1rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	61	13, 16	37	10th	59·0	46·9	52·7	—	6	0·80	20	—	Aberystwyth	4·4	- 1·0	34	—	—	—	—	—	—
a Rhayader	757	61	11th	30	10th	57·0	39·6	47·9	—	5	1·07	27	—	Rhayader ..	4·3	—	34	4	20	—	—	—	—
t Pembroke	149	60	14th	43	10th	57·9	49·3	53·4	- 3·7	5	1·31	33	+21	Pembroke ..	4·6	- 0·8	36	—	—	—	—	—	—
p Cardiff	202	61	11, 14	41	10th	58·9	44·9	51·6	- 4·7	3	1·20	30	+16	Cardiff ..	4·9	—	39	0	35	55·9	- 2·3	57·0	- 1·3
b, ENGLAND, S.W.																							
h Bath	66	62	15th	38	16th	59·9	44·6	51·9	- 4·2	5	0·75	19	+10	Bath	3·4	- 2·1	26	—	—	58·0	—	59·0	—
a Shaftesbury	722	62	14, 15	39	10th	59·4	44·0	51·3	- 4·9	5	0·81	21	+10	Shaftesbury ..	—	—	—	—	—	55·6	—	57·3	—
a Arlington	613	60	11, 14	36	10th	58·3	43·5	49·6	- 6·0	5	1·81	46	+28										
h Newquay	190	60	16th	39	11th	57·2	47·7	52·2	- 5·9	5	1·91	48	+36	Newquay ..	4·8	- 1·0	37	—	—	57·4	—	57·8	—
a Cullompton	202	66	14th	37	16th	61·6	42·6	51·6	- 4·9	4	1·10	28	+18	Cullompton ..	5·4	+0·2	42	0	32	57·0	—	—	—
t Portland Bill	19	63	11, 14	46	10th	61·0	51·0	55·8	- 3·0	3	0·95	24	+16	Weymouth ..	5·9	—	46	—	—	—	—	—	—
p Plymouth	116	66	11th	42	15, 16	60·0	44·6	51·9	- 6·1	4	1·54	39	+28	Plymouth ..	5·7	0·0	44	0	37	56·1	- 3·5	57·5	—
h Falmouth	167	64	11th	42	10th	59·4	48·0	53·4	- 4·3	4	1·74	44	+31	Falmouth ..	5·5	- 0·3	43	1	30	58·1	—	60·8	—
9. IRELAND, N.																							
t Malin Head	71	60	16th	42	10th	57·0	49·3	53·0	- 2·2	6	0·33	8	- 4	Malin Head ..	3·2	—	24	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	—	—	—	—	—	—	—	—	—
b, East .. *p* Armagh	204	63	10th	37	10th	58·4	45·9	51·9	- 2·5	5	0·55	14	+ 2	Armagh ..	3·1	- 1·0	24	1	29	55·6	- 1·2	55·3	- 1·2
t Donaghadee	35	64	16th	42	16th	58·3	48·3	53·1	- 2·1	5	0·76	19	+ 8										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	36	55·9	- 1·8	55·9	- 1·2
p Dublin City	54	67	16th	42	10th	59·3	47·6	53·2	- 2·9	4	0·62	16	+ 7	Phœnix Park	—	—	—	—	—	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Dublin City ..	—	—	—	0	37	—	—	—	—
a, East .. *a* Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Waterford	137	—	—	—	—	—	—	—	—	—	—	—	—										
p Seskin, Carrick-on-Suir	542	—	—	—	—	—	—	—	—	—	—	—	—	Seskin ..	—	—	—	—	—	—	—	—	—
z Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	61	11th	49	10th	58·3	50·6	54·3	- 4·5	4	2·02	51	+40	Scilly	5·9	- 0·2	46	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	61	11, 14-16	44	12th	60·3	50·0	54·9	- 5·5	3	2·05	52	+41	St. Heliers ..	5·1	- 1·6	40	—	—	—	—	—	—
p Guernsey† ..	173	63	11th	47	16th	60·4	50·3	55·1	- 5·4	4	2·22	57	+45	Guernsey ..	6·0	- 0·7	47	0	40	58·8	- 2·7	60·2	- 1·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 16th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.		Mid Time.	Highest Gust. Speed.		Time.		
	Ft.	Ft.	Ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h.	m/s.	d. hr.	m.p.h.	m/s.	d.	h.	m.
0. SCOTLAND, N.																				
**Deerness (Cup Anr.) ..	188	16	5	—	0	14, 15	20	64	72	12	0	330	29	13	15 3	—	—	—	—	—
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	0	—	0	3	100	65	0	330	13	6	15 11	37	17	14	18	5
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	47	95	26	0	330	21	9	14 14 / 15 11	—	—	—	—	—
Edinburgh	485	39	31	—	0	16	11	102	45	10	0	240	32	14	16 17	48	21	16	16	45
6. *a*. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	0	16	2	100	43	19	4	210	27	12	16 16	40	18	16	16	35
Paisley	188	81	15	—	0	—	0	31	121	16	0	200	21	9	16 14	48	21	16	13	40
2. ENGLAND, N.E.																				
South Shields	72	61	12	—	0	14, 16	8	78	75	7	0	360	28	13	14 21	44	20	14	23	50
Spurn Head	67	41	‡	—	0	10, 12 to 16	52	63	45	8	0	330	38	17	15 10	49	22	15	9	45
3. ENGLAND, E.																				
Gorleston	52	42	‡	—	0	10, 12, 13, 15	24	51	59	34	0	170	30	13	13 3	43	19	10	9	45
Shoeburyness	103	90	‡	—	0	12, 13	6	68	68	18	8	160	28	13	12 23	41	18	10	9	50
4. MIDLAND COUNTIES.																				
Benson	270*	84	‡	—	0	—	0	69	65	34	0	130	23	10	12 20	36	16	12	19	30
5. ENGLAND, S.E.																				
Brighton	261	53	6	—	0	—	0	56	84	28	0	—	≥4	11	12 20	39	17	12	20	30
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	84	76	8	0	180 / 230	23	10	12 20 / 16 17	32	14	15	13	30
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	30	83	55	0	350 / 210	18	8	10 15 / 16 23	32	15	10	15	25
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	45	104	19	0	220	20	9	16 23	36	16	16	23	50
7. *a*. ENGLAND, N.W.																				
Fleetwood (Cup Anr.) ..	109	44	—	—	0	14, 15, 16	8	86	70	4	0	210	27	12	16 19	—	—	—	—	—
Southport	80	62	48	—	0	14, 15, 16	11	68	77	12	0	250	31	14	16 22	44	20	16	16	5
7. *b*. NORTH WALES.																				
Holyhead	64	45	‡	—	0	12, 14, 15, 16	39	50	62	17	0	310	32	14	15 7	47	21	12	16	35
8. *b*. ENGLAND, S.W.																				
Pendennis Castle ..	256	65	24	—	0	12, 16	13	66	64	25	0	210	33	15	12 13	45	20	12	13	45
Plymouth	185	88	2	—	0	12	6	64	69	29	0	—	37	17	12 15	47	21	12	15	10
Lyme Regis	554	59	‡	Defective Records.																
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																				
Scilly (Cup Anr.) ..	150	19	—	13, 14	13	12 to 15	53	49	49	1	3	300	53	24	12 17	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SEVENTH WEEK of 1922—September 10th to September 16th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station Highest	At any "D.-V." Station Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean	Means of Deviation from Normal	Accumulated Number of Day-Degrees Above 42°	Accumulated Number of Day-Degrees Deviation from Normal	Accumulated Number of Day-Degrees Below 42°	Accumulated Number of Day-Degrees Deviation from Normal	Rainfall. Number of Days of Precipitation	Rainfall. Deviation from Normal	Rainfall. Total Fall	Rainfall. Deviation from Normal	Sunshine. Daily Mean	Sunshine. Deviation from Normal	Sunshine. Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	66	32	56·7	45·7	50·9	− 1.6	62	− 11	0	0	5	+ 1	0·85	22	+ 1	2·5	− 1·4	19	1004
Eastern.																			
1. SCOTLAND, EAST ..	68	24	57·7	43·7	50·4	− 2·6	59	− 19	0	0	5	+ 2	0·47	12	0	2·8	− 1·4	22	1004
2. ENGLAND, N.E. ..	64	35	57·7	44·9	51·0	− 4·0	63	− 29	0	0	4	+ 2	1·03	26	+19	2·8	− 2·1	22	1006
3. ENGLAND, EAST ..	65	35	60·3	45·2	52.3	− 4·6	72	− 32	0	0	5	+ 3	1·09	28	+19	4 3	− 1·2	34	1006
4. MIDLAND COUNTIES	64	35	58·7	43·5	50·8	− 5·0	62	− 34	0	0	4	+ 2	0·94	24	+16	3·0	− 1·8	24	1006
5. ENGLAND, S.E. ..	65	33	60·6	45·2	52·5	− 5·4	73	− 38	0	0	4	+ 2	1·05	27	+19	4·8	− 1·0	38	1006
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	62	31	57·7	45·2	51·2	− 2·7	64	− 20	0	0	5	+ 2	1 14	29	+12	—	—	—	1006
7. ENGLAND, N.W. (*and North Wales*)	66	33	57·7	45·5	51·3	− 4·4	65	− 30	0	0	5	+ 2	1·10	28	+15	3·5	− 1·2	27	1006
8. ENGLAND, S.W. (*and South Wales*)	66	30	59·1	45·2	51·8	− 5·0	69	− 35	0	0	4	+ 1	1·23	31	+19	4·8	− 0·6	37	1007
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1005
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	63	44	59·7	50·3	54·8	− 4·9	90	− 34	0	0	4	+ 1	2·10	53	+42	5·7	− 1·0	44	1009
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, September 3rd to September 16th, 1922.

0. SCOTLAND, NORTH ..	68	32	57·9	46·1	51·7	− 1·0	135	− 16	0	0	7	− 2	0 94	24	− 20	3·0	− 0·9	22	1015
Eastern.																			
1. SCOTLAND, EAST ..	70	24	59·2	44·4	51·5	− 1·8	132	− 30	0	0	7	0	0·52	13	− 10	3·6	− 0·9	28	1015
2. ENGLAND, N.E. ..	69	35	59·3	47·5	53·1	− 2·4	156	− 34	0	0	6	+ 1	1 06	27	+ 9	2·7	− 2·3	21	1016
3. ENGLAND, EAST ..	70	35	61·7	47·5	54·3	− 3·0	171	− 44	0	0	7	+ 2	1·19	31	+10	5·0	− 0·4	39	1015
4. MIDLAND COUNTIES	70	35	61·1	46·4	53·4	− 2·9	160	− 39	0	0	5	0	0·98	25	+ 5	2·8	− 2·0	21	1015
5. ENGLAND, S.E. ..	70	33	62·7	47·7	54·8	− 3·5	179	− 49	0	0	4	− 1	1·06	27	+ 4	5·1	− 0·6	39	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	31	60 7	45·3	52·7	− 1·6	149	− 25	0	0	6	− 1	1·24	32	− 6	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	70	33	59·9	47·1	53·2	− 2·8	157	− 38	0	0	6	− 1	1·12	29	0	3 9	− 1·0	30	1017
8. ENGLAND, S.W. (*and South Wales*)	71	30	61·3	47·9	54·3	− 2·8	172	− 41	0	0	5	− 2	1·29	33	+ 4	4·4	− 0·9	34	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	68	44	62·0	51·9	56·7	− 3·4	207	− 46	0	0	5	− 1	2·23	56	+31	6·1	− 0·3	47	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 37 Weeks, January 1st to September 16th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·0	40·2	45·4	− 1·0	1355	-338	489	− 50	175	+ 5	30·04	764	− 72	3·7	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52·0	39·2	45·3	− 1·6	1485	-415	627	+10	153	+ 8	20·12	513	− 11	4·0	− 0·3	29	1010
2. ENGLAND, N.E. ..	84	12	54·5	41·5	47·7	− 0·8	1988	-179	509	+37	133	+ 4	18·61	474	+54	4·4	− 0·2	33	1012
3. ENGLAND, EAST ..	89	16	56·1	42·5	49·0	− 0·6	2245	-244	431	− 63	135	+10	19·21	489	+89	5·0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·9	41·2	48·2	− 1·1	2103	-332	496	− 26	137	+13	23·17	590	+141	4·2	− 0·3	32	1013
5. ENGLAND, S.E. ..	88	17	56·9	43·5	49·9	− 0·8	2364	-275	318	− 61	135	+14	20·57	523	+91	5·1	− 0·1	38	1013
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·5	40·9	46·9	− 1·4	1723	-354	448	+32	155	+ 3	31·46	802	+34	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·0	42·5	48·0	− 1·2	1911	-346	360	− 22	140	+ 3	23·63	602	+23	4·5	− 0·1	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·7	43·5	49·3	− 1·1	2171	-312	268	− 33	146	+10	26·86	686	+71	4·8	− 0·2	36	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·0	47·5	52·0	− 0·6	2652	-191	50	− 55	146	+ 7	24·40	621	+125	5·5	− 0·5	41	1014
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
22nd September, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1

METEOROLOGICAL OFFICE
30 SEP 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. *Vol. XXXIX. (New Series)* } No. 38.

THIRTY-EIGHTH WEEK.

SUNDAY, SEPTEMBER 17TH, TO SATURDAY, SEPTEMBER 23RD, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was generally dull and unsettled. Rain fell on several days and thunder was heard at a few stations. The winds were mainly moderate or strong and reached the force of a gale in places. There were one or two bright days when a number of stations recorded maximum temperatures of 70°F. or slightly above, the actual highest being 73°F. in London and also at Southampton on the 20th. There were several low screen minimum temperatures registered in Scotland and the northern parts of England, Balmoral having a reading of 24°F. on the 22nd and West Linton (Peebles) 26°F. on the 18th, while at the same stations the grass thermometer recorded readings of 19°F. and 23°F. respectively. The mean temperature for the week was below the normal in several districts and at a few of the northern and eastern stations the mean daily range was nearly 20°F. The total rainfall for the week exceeded the normal in most districts and a number of stations had falls of 20mm. and more. Amongst the largest amounts were 29mm. at Lancaster, 27mm. at Aberystwyth and 25mm. at Ford (Argyll) on the 18th, 28mm. at Cardiff on the 19th, 24mm. at Durham and also at Tynemouth on the 21st, whilst at Rhayader (Radnor) the total amount for the two days 18th and 19th was 48mm. The largest amounts of sunshine over the country generally were registered during the first four days of the week, when a large number of stations had between 10 and 11 hours on various days. The mean amount of sunshine for the week was less than the normal at most stations. The departure of the mean duration from the normal for the week ranged from +1·4 hours at Stornoway to −3·6 hours at Scilly. Aurora was witnessed at Fort William and Deerness on the 17th, at Deerness on the 20th also. Solar halos were seen at Aberdeen and Dublin on the 21st and at Raunds (Northampton) and Stonyhurst (Lancashire) on the 23rd. A sun pillar was observed at Oxford on the 18th and a parhelion at Ross-on-Wye on the same date.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	11	11	4·9	13	8	3·4	11	6	2·8	13	6	2·6	15	12	5·3	8	7	3·0	17	9	4·0	—	—	—
North	13	9	3·9	5	5	2·3	10	8	3·6	8	4	1·6	9	9	3·9	9	9	3·8	8	7	3·2	—	—	—
West	24	13	5·9	23	14	6·1	19	11	4·8	21	9	3·9	22	16	7·0	17	16	7·3	18	18	8·1	—	—	—
East	2	4	1·9	1	6	2·6	4	13	5·9	5	7	3·3	5	5	2·3	4	4	1·6	10	7	3·3	—	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	2	—	—	3	—	—	1	—	—	0	—	—	4	—	—	0	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*).	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Very Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Light
	Sunshine ..	Abundant	Moderate	Scanty	Moderate	Moderate	Moderate	—	Scanty	Scanty	—	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *3 weeks from Sept. 3rd, 1922.*	Warmth ..	0, 1, 2	0, 1, 2	0, 2, 1	0, 2, 1	0, 2, 1	0, 1, 2	0, 1, 2	0, 2, 1	0, 2, 1	—	—	0, 2, 1
	Rainfall ..	0, 2, 1	0, 2, 1	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1	—	—	1, 0, 2
	Sunshine ..	1, 1, 1	0, 2, 1	0, 0, 3	0, 2, 1	0, 1, 2	0, 3, 0	—	0, 2, 1	0, 1, 2	—	—	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
a SCOTLAND, N.																							
a Islands: *t* Lerwick	54	53	19th	37	18th	49·7	41·1	45·2	- 4·7	6	0·88	22	+ 9										
p Deerness, Orkney	165	57	19th	37	18th	53·1	43·0	47·8	- 2·9	6	0·28	7	- 6	Deerness	4·0	+0·9	33	—	—	—	—	—	—
t Stornoway	51	58	19th	32	23rd	54·1	42·1	47·8	- 3·4	7	0·87	22	+ 4	Stornoway	4·8	+1·4	39	—	—	—	—	—	—
t Castlebay, Barra I.	37	56	20, 22	45	18th	54·4	48·1	51·1	—	4	0·44	11	—	Castlebay	3·6	—	29	—	—	—	—	—	—
b, Mainland: *t* Wick	81	65	19th	33	18th	54·3	39·3	46·4	- 4·7	5	0·61	15	+ 4										
a Strathpeffer	125	61	19th	33	22nd	54·8	39·6	46·8	- 5·0	5	0·24	6	- 4										
h Achnashellach	225	58	23rd	33	18th	55·4	41·3	48·0	- 2·8	5	1·48	37	+ 3	Achnashellach	—	—	—	2	28	—	—	—	—
h Inverness	242	65	19th	36	18 22	57·3	42·6	49·6	—	4	0·12	3	—	Inverness	—	—	—	0	32	—	—	—	—
a Fort Augustus	68	65	19th	32	18th	57·6	38·7	47.7	- 4·2	3	0·35	9	- 6										
p Fort William	171	58	18, 19, 23	33	22nd	56·0	39·9	47·6	- 5·1	6	1·16	29	+ 1										
1. SCOTLAND, E.																							
t Nairn	82	64	19th	35	18, 22	56·9	41·1	48·6	- 3·1	5	0·45	11	- 2	Nairn	4·8	—	39	—	—	—	—	—	—
p Gordon Castle	101	68	19th	35	18th	58·6	39·9	48·8	- 3·4	3	0·30	8	- 7	Gordon Castle	4·2	—	34	—	—	—	—	—	—
t Aberdeen	46	66	19th	34	22nd	59·0	42·7	50·5	- 1·6	4	0·28	7	- 6	Aberdeen	4·3	+0·4	34	3	28	—	—	51·8	- 0·7
a Balmoral	930	64	19th	24	22nd	54·9	35·9	44·9	- 4·0	3	0·20	5	- 9	Balmoral	—	—	—	4	19	—	—	—	—
p Crieff	432	65	19th	31	18th	57·9	39·3	48·2	- 4·4	5	0·24	6	- 11	Crathes	4·4	+0·9	36	4	24	48·9	—	50·5	—
a Dundee	244	62	19, 22	30	18th	58·1	40·1	48·7	- 3·7	5	0·17	4	- 8	Dundee	3·6	—	29	2	24	52·6	—	—	—
t Inchkeith (F. of Forth)	190	60	19th	40	18th	55·6	46·3	50·7	—	5	0·28	7	—	Inchkeith (F. of Forth)	3·3	—	27	0	34	—	—	—	—
p Edinburgh	441	62	19th	36	18th	56·3	43·9	49·8	- 2·7	4	0·40	10	- 1	Edinburgh	3·6	- 0·2	29	0	31	—	—	—	—
a West Linton	769	60	20th	26	18th	55·6	36·7	45·7	- 3·4	6	0·65	17	—	West Linton	—	—	—	3	23	—	—	—	—
a Marchmont	498	61	19th	33	18th	57·1	42·7	49·6	- 2·0	5	0·63	16	+ 2	Marchmont	3·0	- 0·7	24	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	59	19th	31	18th	57·1	40·9	48·6	—	5	1·97	50	—	Ford (Argyll)	—	—	—	1	30	53·8	—	54·7	—
t Renfrew	49	63	19th	30	18th	57·7	41·3	49·1	—	5	0·69	17	—	Renfrew	2·8	—	23	3	24	—	—	—	—
p Rothesay	200	59	19th	38	18th	57.0	42·6	49·5	- 3·6	6	1·21	31	+ 8	Rothesay	4·2	—	34	0	32	52·6	—	53·3	- 0·7
a Kilmarnock	90	62	23rd	33	22nd	58·3	42·7	50·1	- 1·9	6	0.80	20	+ 2	Kilmarnock	3·5	—	28	—	—	52·1	—	53·5	—
a Colmonell	170	61	19th	35	23rd	58·0	41·3	49·3	- 3·4	6	0·77	20	+ 1	Colmonell	—	—	—	0	32	—	—	—	—
p Dumfries	160	62	19th	35	18th	57·9	43·9	50·6	- 2·7	6	0·71	18	+ 4	Dumfries	3·6	—	29	2	28	53·3	- 1·1	53·9	- 2.2
t Eskdalemuir	794	60	19th	29	18th	54·6	40·3	47·1	—	6	1·16	29	—	Eskdalemuir	3·4	—	27	2	23	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	19th	42	18th	58·1	48·6	53·1	- 0·5	6	0·87	22	+ 4	Douglas	3·4	- 1.1	27	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a North: *p* Cockle Park	324	63	19th	35	18th	57·6	43·3	50·1	—	4	0·87	22	—	Cockle Park	3·0	- 1·1	24	0	31	50·4	- 1·1	51·7	- 1·1
t Tynemouth	118	65	19th	37	18th	57·3	46·1	51·4	- 1·8	5	1·27	32	+22	Tynemouth	—	—	—	0	32	—	—	—	—
p Durham	336	63	19, 20	34	23rd	57·7	42·6	49·8	- 3·0	5	1·25	32	+22	Durham	3·4	- 0·3	27	2	25	—	—	—	—
p Rounton	249	65	19th	35	18, 23	60·0	44·4	51·8	- 0·6	4	0·50	13	+ 4	Rounton	—	—	—	2	27	53·6	—	—	—
a West Witton	605	63	21st	37	23rd	59·0	45·4	51·9	—	5	0·94	24	—	West Witton	—	—	—	0	32	51·9	—	51·8	—
h Scarborough	118	67	21st	40	18th	64·6	48·6	56·2	+1·5	2	0·30	8	- 2	Scarborough †	3·1	- 1·1	35	—	—	—	—	55·9	—
p York	56	66	21st	39	23rd	61·4	48·1	54·4	+0·1	4	0·15	4	- 5	York	3·1	- 0·8	25	—	—	55·1	- 0·8	55·2	- 1·0
b, South: *t* Spurn Head	26	65	21st	44	18th	59·6	51·4	55·3	- 0·2	3	0·05	1	- 7	Spurn Head	3·2	—	25	—	—	—	—	—	—
a Lincoln	58	69	21st	39	23rd	62·6	47·9	54·9	0·0	3	0·14	4	- 4	Lincoln	—	—	—	0	38	54·8	- 1·0	55·9	- 0·7
t Cranwell	237	68	21st	37	23rd	61·4	46·6	53·6	- 1·4	2	0·13	3	- 6	Cranwell	4·4	- 0·2	36	0	31	—	—	—	—
														Skegness	5·1	+0·3	42	—	—	—	—	—	—
3. ENGLAND, E.																							
a, North: *a* Cromer	196	71	31st	40	17th	62·1	48·6	55·0	- 1·4	2	0·22	6	- 2	Cromer	4·7	- 0·1	39	—	—	—	—	—	—
a Little Massingham	277	68	21st	44	18th	61·3	48·9	54.8	+0·3	3	0·40	10	0	Lit Massingham	4·5	- 0·2	36	—	—	—	—	—	—
t Yarmouth	13	71	21st	46	18th	63·3	52·9	57·9	+1·8	3	0·57	15	+ 6	Yarmouth	5·4	—	44	0	43	57·0	- 1·1	56·9	- 1·8
a Norwich	93	70	21st	45	18th	63·0	49·4	55·9	+0·2	3	0·45	11	+ 1	Norwich	5·1	—	41	0	41	56·5	—	—	—
a Geldeston	37	72	21st	46	18th	64·4	50·0	56·9	+1·1	2	0·32	8	- 1	Geldeston	4·5	- 0·5	37	—	—	—	—	—	—
q, South: *p* Cambridge	41	71	31st	43	18th	64·7	41·6	56·8	+1·0	3	0.34	9	+ 2	Cambridge	4·9	0·0	40	0	38	56·9	- 0·5	57·1	- 1·2
t Clacton-on-Sea	54	68	20th	47	18th	62·9	52·6	57·5	+0·9	3	0·60	15	+ 7	Clacton-on-Sea	5·2	- 0·5	42	0	40	56·5	- 1·5	57·2	- 1·6
a Rothamsted	420	69	21st	42	18th	62·7	49·1	55·6	+0·9	4	0·68	17	+ 8	Rothamsted	4·5	- 0·4	36	0	36	54·6	—	—	—
p Tottenham	51	70	20, 21	47	18th	64·3	54·1	59·0	—	3	0·69	18	—	Tottenham	4·5	—	36	—	—	—	—	—	—
														Southend	4·6	—	37	0	43	57·6	—	—	—
4. MIDLAND COUNTIES.																							
a, North: *h* Harrogate	479	64	21st	37	18th	58·3	45·0	51·3	- 1·5	5	0 43	11	+ 1	Harrogate	3 7	- 0·5	30	1	30	52 8	- 0·8	53 0	- 1·2
p Sheffield	429	68	21st	41	18th	61·1	47·9	54·2	—	3	0 22	6	—	Sheffield	3·7	- 0·1	30	0	35	54·0	- 0·7	53 7	- 1·3
p Buxton	987	65	21st	35	18th	58·1	44·9	51·2	+0·1	3	1·26	32	+15	Buxton	3·6	—	29	0	31	52·3	- 1·0	52·9	- 1·6
, East: *a* Worksop	56	71	21st	37	23rd	64·0	47·7	55·5	+1·4	2	0·03	1	- 7	Worksop	3·3	- 0·5	26	0	32	55·1	—	54·7	—
t Nottingham	82	67	21st	38	23rd	62·4	49·0	55·4	+0·9	3	0·19	5	- 4	Nottingham	4·0	+0·1	33	0	35	55·3	+0·5	55·3	- 1·5
p Birmingham, Edgbsn.	525	69	21st	42	18th	61·4	49·0	54.9	+0·4	4	0·53	13	+ 3	Birmingham	3 9	+0·4	32	0	37	52·7	- 0·3	52·1	- 1·2
a Raunds	213	72	21st	41	18th	64·6	47·6	55·7	+0·2	3	0.22	6	- 2	Raunds	5 0	—	41	0	37	56·4	—	—	—
p Oxford	208	71	21st	43	18th	64·4	50·9	57·3	+1·9	4	0·33	8	- 1	Oxford	5·0	+0·3	40	0	35	—	—	—	—
														Malvern	5·1	—	41	0	39	55·9	—	56·1	—
e, West: *a* Cheadle (N. Staffs.)	646	66	21st	37	18th	59·7	45·6	52·3	- 0·9	3	0·56	14	+ 1	Cheadle	—	—	—	—	—	—	—	—	—
p Tenbury	313	69	21st	34	18th	63·1	47·3	54·8	+1·0	4	0·39	10	+ 2	Tenbury	—	—	—	1	30	55·8	—	—	—
a Hereford	291	70	21st	40	18th	64·6	49·9	56·9	+2·6	3	0·25	6	- 3	Ross on Wye	4·7	—	39	0	37	56·7	—	56·5	—
a Clifton	225	69	21st	45	18th	61·6	50·9	56·0	- 0·7	3	0·69	17	+ 4	Clifton	5·8	—	47	0	45	—	—	—	—
														Worthing	3·9	- 1·8	32	0	40	58 1	- 0 6	58·0	- 1·4
5. ENGLAND, S.E.																							
a Marlborough	424	68	21st	37	18th	62·7	48 1	55·1	+1·7	3	0·46	12	+ 2	Marlborough	4·5	+0 2	37	0	36	56 2	—	55·7	—
a Porton	363	69	21st	40	18th	62 5	49·3	55·6	—	4	0·30	8	—	Porton	4·6	—	37	0	34	55·4	—	—	—
a Wisley, Surrey	150	70	20, 21	43	18th	64·6	50 9	57·4	+2·1	3	0 42	11	+ 1	Wisley, Surrey	4·6	- 0 3	37	0	33	56 3	- 1 0	56 1	- 1·8
h Tunbridge Wells	354	72	20th	44	18th	64 9	51·1	57·7	+2·0	4	0·53	13	+ 2	Tunbridge Wells	4·7	- 0·6	38	0	33	57·6	—	57 3	—
h Margate	51	72	22nd	48	19th	64·4	53·6	58·7	+0·9	3	0·65	16	+ 6	Margate	5·3	+0·1	43	0	45	58·2	- 0·4	59 4	+0·1
t Dungeness	21	66	20, 22	46	18th	62·7	54·7	58·5	+1·3	5	0·62	16	+ 6	Folkestone	4·3	—	35	—	—	—	—	59 1	—
h St. Leonards	178	68	20, 22	45	18th	62·7	52·9	57·6	+0 3	6	0·93	23	+12	St. Leonards	4 6	- 1·0	37	0	40	58·7	—	58·2	—
p Southampton	64	73	20th	44	18th	65·1	52·9	58·7	+1·4	4	0·25	6	- 5	Southampton	4 5	- 0·8	37	0	35	—	—	—	—
a Ventnor	59	66	20th	46	18th	62·3	54·1	58·0	- 0·4	5	0· 16	4	- 8	Ventnor	3·2	- 2·2	26	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	71	21st	45	18th	63·5	53·3	58·2	+2 2	3	0·75	19	+10	Richmond	4·6	- 0·1	37	0	39	56 7	- 0·2	55·9	- 1·5
a Westminster	27	71	20, 21	45	18th	66·0	52·7	59·0	+1·8	3	0·57	15	+ 7	Westminster	4·3	+0·2	35	—	—	—	—	—	—
a Greenwich	149	73	21st	45	18th	65·9	51·9	58·6	+1·9	3	0·58	15	+ 7	Greenwich	4·8	0·0	39	0	38	—	—	—	—
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	—	—	—	—
a Camden Square	110	73	20th	44	18th	66·0	52·6	59·0	+1·5	4	0·78	20	+11	Camden Square	—	—	—	0	41	55·9	—	55 8	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	19th	35	18th	56·1	43·6	49·6	- 3 7	7	1·21	31	+14	Aspatria	3·1	- 1·3	25	0	32	52·3	- 1 3	52·8	- 1 5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	63	21st	39	18th	58 7	47.7	52.9	- 0 5	5	1·78	45	+25	Stonyhurst	3 2	- 0·9	26	0	34	—	—	—	—
h Blackpool	66	61	21st	43	23rd	58 9	51·0	54 8	+0·1	5	0·84	21	+ 6	Blackpool	3·2	- 1·4	26	0	33	55 2	—	54 5	—
h Southport	37	63	21st	43	18, 23	58·8	50·6	54·5	- 0·1	5	0·88	22	+ 7	Southport	3·6	- 0·9	29	0	34	56·4	+0 2	57·1	- 0 7
														Hoylake	3·9	- 0 5	32	—	—	—	—	—	—
t Liverpool (Bidston)	188	64	19, 21	44	18th	59·6	49·6	54·4	- 0·8	4	0·48	12	- 1	Liverpool	3·1	—	25	0	39	—	—	—	—
a Hawarden Bridge	22	69	21st	43	23rd	61·6	50 1	55·6	+0·1	3	0·42	11	+ 1	Manchester City	2·5	- 1·0	20	0	38	54·0	- 1·7	55·9	- 2·1
p Manchester (Whit. Pk.)	125	65	21st	41	18th	60·9	49·4	54·9	- 0 5	5	0.90	23	+11	„ Whit. Pk.	2·6	- 0·9	21	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	66	21st	39	23rd	60·0	47·7	53·6	- 2·5	4	0·61	16	+ 4	Llandudno	3.7	- 1·0	30	—	—	—	—	—	—
t Holyhead	15	62	21st	49	18th	59 3	52·4	55·7	+0·1	4	1·11	28	+14	Holyhead	4·1	—	33	0	43	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	62	21st	49	23rd	59·3	53·4	56 2	—	4	1·56	40	—	Aberystwyth	3·8	- 1·2	31	—	—	—	—	—	—
a Rhayader	757	66	21st	39	18th	59·7	47·7	53·4	—	5	2·01	51	—	Rhayader ..	4·6	—	38	1	29	—	—	—	—
t Pembroke	149	60	20th	49	18th	57·6	53·0	55·2	- 0·8	3	0·67	17	+ 3	Pembroke ..	2·8	- 2·2	23	—	—	—	—	—	—
p Cardiff	202	70	21st	42	18th	62·0	51·9	56·7	+1·5	4	1·50	38	+22	Cardiff ..	5·8	—	47	0	38	57·0	0·0	56·3	- 1·4
b, ENGLAND, S.W.																							
h Bath	66	70	21st	43	18th	63·0	52·1	57·3	+1·6	3	0·59	15	+ 5	Bath	5·1	0·0	41	—	—	58·1	—	58·1	—
a Shaftesbury	722	67	20th	41	18th	61·7	48·9	55·0	- 0·1	3	0·53	13	+ 1	Shaftesbury ..	—	—	—	—	—	56·6	—	56·9	—
a Arlington	613	66	21st	45	18th	60·1	50·4	55·0	+0·5	3	0 90	23	+ 2										
h Newquay	190	66	21st	51	22nd	59·5	54·1	56·7	- 0·3	3	0·05	1	- 13	Newquay ..	2·7	- 2·6	22	—	—	57·4	—	57·1	—
a Cullompton	202	70	21st	39	18th	64·7	51·1	57·6	+2·2	2	0 26	7	- 4	Cullompton ..	4·9	+0·1	40	0	34	57·9	—	—	—
t Portland Bill	19	62	17, 20	51	18, 23	60·7	53·1	56·7	- 1·0	3	0·15	4	- 6	Weymouth ..	4·0	—	33	—	—	—	—	—	—
p Plymouth	116	68	20, 21	44	17th	63·0	53·7	58·1	+1·2	2	0·12	3	- 9	Plymouth ..	3·0	- 2·3	24	0	40	57·1	- 1·3	56·8	—
h Falmouth	167	63	20th	46	18th	60·0	53·1	56·4	- 0·2	5	0·07	2	- 13	Falmouth ..	2·7	- 2·7	22	0	36	59·3	—	60·0	—
9. IRELAND, N.																							
t Malin Head	71	60	19th	41	22nd	55·3	46·3	50·6	- 3·7	6	0·46	12	- 2	Malin Head ..	3·0	—	24	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	—	—	—	—	—	—	—	—	—
b, East .. *p* Armagh..	204	62	19th	36	23rd	57·9	43·0	50·1	- 3·4	5	1·22	31	+18	Armagh ..	3·0	- 0·9	24	2	29	54·4	- 1·4	54·8	- 1·1
t Donaghadee	35	65	19th	38	18th	57·6	48·0	52 6	- 1·7	5	0 67	17	+ 4										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	37	56·1	- 0·5	55·4	- 1·1
p Dublin City	54	65	21st	41	18th	60·6	48·7	54·4	- 1·0	5	0·76	19	+ 8	Phœnix Park	3·6	- 1·0	29	0	31	—	—	—	—
a. East .. *t* Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Dublin City ..	—	—	—	0	35	—	—	—	—
a Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Waterford	137	64	20, 21	40	18th	60·7	49·7	54·9	- 0·4	2	0·23	6	- 10										
p Seskin, Carrick-on-Suir	542	—	—	—	—	—	—	—	—	—	—	—	—	Seskin ..	—	—	—	—	—	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
b. West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	60	17, 20, 22	51	18th	59·1	53·6	56 2	- 1·7	1	0 01	0·3	- 12	Scilly	2·3	- 3·6	19	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	72	21st	52	19th	63 6	55·4	59·3	- 0·2	1	0·02	1	- 11	St. Heliers ..	3·1	- 3·3	26	—	—	—	—	—	—
p Guernsey† ..	173	68	21st	47	17th	62·6	54·3	58·3	- 1·3	2	0·03	1	- 12	Guernsey ..	3·2	- 3·3	26	0	46	59·4	- 0·9	59·2	- 1·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 23rd, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o									
**Deerness (Cup Anr.) ..	188	16	5	—	0	16, 17, 19, 20	20	95	52	1	0	300	32	14	20	6	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	5	76	87	0	280	17	8	20	2	39	18	20	2	15
Aberdeen (Cup Anr.) ..	120	72	12	—	0	19, 20	5	19	117	27	0	310	30	13	20	3	§54	24	20	2	30
Edinburgh	485	39	31	—	0	17, 19, 20	17	69	66	16	0	270	35	16	19	22	57	25	19	22	5
6. *a*. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	17, 19, 20	23	52	58	35	0	250	37	17	20	1	58	26	20	1	50
Paisley	188	81	15	—	0	—	0	48	73	47	0	260	21	9	19	12	46	21	19	16	55
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	17, 19, 20	17	59	77	15	0	270	36	16	19	23	55	25	19	22	55
Spurn Head	67	41	‡	—	0	17, 19, 20	29	91	46	2	0	280	33	15	20	2	53	24	20	2	40
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	91	54	23	0	230	22	10	19	11	34	15	20	9	40
Shoeburyness	103	90	‡	—	0	19, 20, 23	6	94	47	21	0	230	27	12	19	12	44	20	19	12	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	17, 19	5	67	88	8	0	230	27	12	17	13	43	19	21	0	50
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	19	3	62	85	18	0	—	26	12	19	15	44	20	19	16	5
Larkhill, S'y Plain ..	513	63	43	—	0	17, 19, 20	16	68	84	0	0	310	30	13	17	15	37	17	17	15	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	39	107	22	0	260	20	9	17	14	39	18	17	14	0
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	49	98	21	0	240	24	11	19	13	40	18	19	13	15
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	17	1	17 to 20	43	58	59	7	0	280	39	17	17	18	—	—	—	—	—
Southport	80	62	48	17, 20	3	17 to 20	56	43	66	0	0	260	41	18	17	16	54	24	17	13	30
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	—	0	17, 19, 20	31	87	45	5	0	250	33	15	17	15	52	23	20	0	40
8. *b*. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	17, 19, 20	20	35	61	52	0	240	35	16	19	11	47	21	19	11	20
Plymouth	185	88	2	—	0	19	1	49	77	41	0	—	26	11	19	9	38	17	19	14	35
Lyme Regis	554	59	‡	Defective Records.																	
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	17	3	17, 19	29	63	65	8	0	250	41	18	17	9	—	—	—	—	—
Quilty	100	40	‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	17, 19	23	47	74	19	5	260	29	13	19	13	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "23ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees†

§ Gust from Aberdeen Pressure Tube Anemometer. ‡ Standard mounting. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-EIGHTH WEEK of 1922—September 17th to September 23rd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	65	32	54·6	40·3	47·1	− 4.2	40	− 25	5	+ 5	5	+ 1	0·80	20	+ 3	4·4	+1·3	36	1011
Eastern.																			
1. SCOTLAND, EAST ..	68	24	56·9	40·6	48·4	− 3·3	49	− 18	4	+ 3	5	+ 2	0 38	10	− 3	3·9	+0·2	32	1013
2. ENGLAND, N.E. ..	69	34	60·2	46·6	53·1	− 0·7	78	− 5	0	0	4	+ 1	0·52	13	+ 4	3·7	− 0·6	30	1017
3. ENGLAND, EAST ..	72	40	63·2	50·6	56.6	+1·0	102	+ 6	0	0	3	0	0·47	12	+ 3	4·8	− 0·2	39	1019
4. MIDLAND COUNTIES	72	34	62·4	48·3	55·0	+0·7	91	+ 4	0	− 1	3	0	0·36	9	− 1	4·3	0 0	35	1019
5. ENGLAND, S.E. ..	73	37	63·5	52·1	57·5	+1·0	109	+ 8	0	0	4	+ 1	0·51	13	+ 3	4·4	− 0·9	36	1021
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	63	30	57·7	43 0	50·0	− 2·9	56	− 19	0	0	6	+ 3	1·00	25	+ 5	—	—	—	1015
7. ENGLAND, N.W. (*and North Wales*)	69	35	59·4	48·9	53·9	− 0·6	83	− .4	0	0	5	+ 2	0·92	23	+ 9	3·5	− 0·8	28	1018
8. ENGLAND, S.W. (*and South Wales*)	70	39	61·3	51·5	56·1	+0·4	99	+ 3	0	0	3	0	0·68	17	+ 3	3·7	− 1·2	30	1021
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1015
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	47	61·8	54·4	57·9	− 0·9	111	− 7	0	0	1	− 2	0·02	1	− 11	2·9	− 3·5	23	1023
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 3rd to September 23rd, 1922.

0. SCOTLAND, NORTH ..	68	32	56·8	44·2	50·2	− 2·1	175	− 41	5	+ 5	12	- 1	1·74	44	− 17	3·5	− 0·1	27	1014
Eastern.																			
1. SCOTLAND, EAST ..	70	24	58·4	43·1	50·4	− 2·4	181	− 48	4	+ 3	12	+ 2	0·90	23	− 13	3·8	− 0·4	29	1015
2. ENGLAND, N.E. ..	69	34	59·6	47·2	53·1	− 1·8	234	− 39	0	0	10	+ 2	1·58	40	+13	3·1	− 1·6	24	1016
3. ENGLAND, EAST ..	72	35	62·2	48·5	55·0	− 1·7	273	− 38	0	0	10	+ 2	1 66	43	+13	4·9	− 0·3	39	1016
4. MIDLAND COUNTIES	72	34	61 5	47·0	53·9	− 1·7	251	− 35	0	− 1	8	0	1·34	34	+ 4	3·3	− 1·3	26	1017
5. ENGLAND, S.E. ..	73	33	62·9	49·2	55·7	− 2.0	288	− 41	0	0	8	0	1·57	40	+ 7	4 8	− 0·8	38	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	30	59·7	44·5	51·8	− 2·0	205	− 44	0	0	12	+ 2	2 24	57	− 1	—	—	—	1016
7. ENGLAND, N.W. (*and North Wales*)	70	33	59·8	47·7	53·4	− 2·1	240	− 42	0	0	11	+ 1	2·04	52	+ 9	3 8	− 0·9	29	1017
8. ENGLAND, S.W. (*and South Wales*)	71	30	61·3	49·1	54·9	− 1·8	271	− 38	0	0	8	− 2	1·97	50	+ 7	4·2	− 1·0	33	1018
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	44	61·9	52·8	57·1	− 2·6	318	− 53	0	0	6	− 3	2·25	57	+20	5·0	− 1·4	40	1019
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 38 Weeks, January 1st to September 23rd, 1922.

0. SCOTLAND, NORTH ..	76	18	51·1	40·2	45·4	− 1·1	1395	-363	494	− 45	180	+ 6	30·84	784	- 69	3·7	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52·1	39·2	45·4	− 1·6	1534	-433	631	+13	158	+10	20·50	523	- 14	3 9	- 0·4	29	1010
2. ENGLAND, N.E. ..	84	12	54·7	41·6	47 8	− 0·8	2066	-184	509	+37	137	+ 5	19 13	487	+58	4 4	- 0·2	33	1012
3. ENGLAND, EAST ..	89	16	56·3	42·7	49·2	− 0·6	2347	-238	431	− 63	138	+10	19 68	501	+92	5 0	0·0	37	1013
4. MIDLAND COUNTIES	86	11	56·1	41 4	48·4	− 1·0	2194	-328	496	− 27	140	+13	23·53	599	+140	4 2	- 0·3	31	1013
5. ENGLAND, S.E. ..	88	17	57·1	43·7	50·1	− 0·7	2473	-267	318	− 61	139	+15	21·08	536	+94	5·1	- 0·1	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53 6	40 9	47 0	− 1·5	1779	-373	448	+32	161	+ 6	32·46	827	+39	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·1	42·7	48·2	− 1·2	1994	-350	360	− 22	145	+ 5	24·55	625	+32	4·5	- 0·1	33	1012
8. ENGLAND S.W. (*and South Wales*)	85	13	55·8	43·7	49·5	− 1 0	2270	-309	268	− 33	149	+10	27·54	703	+74	4·8	- 0·2	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·1	47·7	52·2	− 0·5	2763	-198	50	− 55	147	+ 5	24·42	622	+114	5·4	- 0·6	41	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
29th September, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 39.

THIRTY-NINTH WEEK.

SUNDAY, SEPTEMBER 24TH, TO SATURDAY, SEPTEMBER 30TH, 1922.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather during the greater part of the week was influenced by a deep depression which passed from the westward of Ireland across the British Islands, causing strong wind and gales, notably in the Bristol and English channels. The weather as a whole was cloudy, and rain fell in most places. Friday was the brightest day of the week, when owing to a ridge of high pressure over England the weather was fine and dry in nearly all places; a large number of stations recording about 10 hours sunshine The mean amount for the week, however, was below the normal at all stations The departure of the mean duration from the normal for the week ranged from –0·3 hours at Skegness to –3·3 hours an Aberdeen. The highest of the maximum temperatures did not reach 70°F. in any part of the country, the highest being 69°F. at Cullompton (Devon) on the 25th and at Tottenham on the 28th, while at one or two of the Scottish stations the highest readings of the week failed to reach 55°F. Screen minimum readings of about 32°F. were recorded at a few stations, the actual lowest being 29°F. at Eskdalemuir on the 30th, while on the same date frost on the grass was registered in several places, the readings at a number of stations being down to 25°F. The mean temperature for the week over the country generally differed little from the normal. Rainfall exceeded the normal in several districts and individual falls of 20mm. and more were recorded in places. The largest amounts were 25mm. at St. Ann's Head on the 25th, 38mm. at Crathes (Kincardine) and 35mm. at Seskin on the 26th, 24mm. at Wick and 20mm. at Gordon Castle (Elgin) on the 28th, 27mm. at Ford (Argyll), 21mm. at Tenby and 20mm. at Arlington (Devon) on the 30th. Thunderstorms occurred at St. Leonard's on the 24th and at Southampton on the 28th. Solar and lunar halos were seen at a number of stations on various dates during the week; at Oxford a solar halo was observed on each day with the exception of the 28th. A parhelion was witnessed at Oxford on the 25th, 26th, 27th and 30th, and a sun pillar on the 27th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	21	11	5·1	17	7	3·2	13	8	3·5	12	6	2·7	14	13	5·8	15	18	8·1	16	13	5·7	—	—	—
North	5	12	5·5	7	5	2·1	12	7	3·1	7	6	2·6	9	9	3·9	10	10	4·4	8	4	1·9	—	—	—
West	5	7	3·1	10	9	3·8	10	8	3·4	9	5	2·2	12	10	4·5	7	9	4·1	11	11	4·8	—	—	—
East	21	11	4·7	13	6	2·7	15	12	5·2	10	6	2·9	13	11	4·9	9	9	4·0	14	13	5·7	—	—	—
Calm (or wind-speed < 4 m.p.h.)	2	—	—	2	—	—	3	—	—	7	—	—	1	—	—	1	—	—	1	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Sunshine ..	Scanty	Very Scanty	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	Very Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 4 weeks from Sept. 3rd, 1922.	Warmth ..	0, 2, 2	0, 2, 2	0, 3, 1	0, 3, 1	0 3, 1	0, 2, 2	0, 2, 2	0, 3, 1	0, 3, 1	—	—	0, 3, 1
	Rainfall ..	0, 3, 1	1, 2, 1	2, 1, 1	2, 1, 1	2, 1, 1	1, 2, 1	1, 2, 1	1, 2, 1	1, 2, 1	—	—	1, 1, 2
	Sunshine ..	1, 1, 2	0, 2, 2	0, 0, 4	0, 2, 2	0, 1, 3	0, 3, 1	—	0, 1, 3	0, 1, 3	0, 1, 3	—	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
i SCOTLAND, N.																							
t Lerwick	54	53	25, 26, 27	43	25th	51·6	46·9	49·1	0·0	5	1·32	33	+13										
p Deerness, Orkney	165	55	27th	42	25, 27	53·1	45·3	49·0	- 0·7	6	1 35	34	+14	Deerness	0·9	- 2·1	8	—	—	—	—	—	—
a Islands t Stornoway	51	58	27, 30	32	25th	56·1	44·0	49·8	- 0·2	6	1·27	32	+ 5	Stornoway	2·8	- 0·6	23	—	—	—	—	—	—
t Castlebay, Barra I.	37	60	27th	46	25th	55·4	49·9	52·5	—	5	0·56	14	—	Castlebay	3·6	—	30	—	—	—	—	—	—
t Wick	81	54	30th	33	25th	51·7	46·4	48·9	- 1·1	6	1·42	36	+20										
a Strathpeffer	125	59	28th	31	25th	56·9	40·9	48·5	- 1·8	5	0·65	17	+ 3										
b, Main- h Achnashellach	225	59	26th	35	25th	55·9	44·1	49·7	+0·3	6	0·91	23	- 26	Achnashellach	—	—	—	1	30	—	—	—	—
land. h Inverness	242	59	26, 27	36	25th	56·6	44·6	50·3	—	5	0·34	9	—	Inverness	—	—	—	0	31	—	—	—	—
a Fort Augustus	68	61	27th	33	25th	58·6	43·1	50.5	0·0	6	0·37	9	- 13										
p Fort William	171	60	27, 29	35	25th	57·1	43·7	50·1	- 1·2	7	1·07	27	- 14										
1. SCOTLAND, E.																							
t Nairn	82	60	25th	36	25, 30	57·6	44·7	50·8	+0·5	6	0·92	23	+10	Nairn	1·3	—	11	—	—	—	—	—	—
p Gordon Castle	101	59	24th	39	25th	55·6	45·6	50·4	- 0·6	5	1·66	42	+26	Gordon Castle	0·7	—	6	—	—	—	—	—	—
t Aberdeen	46	56	25, 26	44	25th	54·4	49·0	51·6	+0·6	6	2·21	56	+42	Aberdeen	0·3	- 3·3	3	0	39	—	—	51·1	- 0·9
a Balmoral	930	54	25th	31	30th	51·7	41·7	46·5	- 1·1	4	1·36	35	+19	Balmoral	—	—	—	2	29	—	—	—	—
p Crieff	432	59	26. 27	37	25 29	54·9	42·9	48·6	- 2·5	7	0·91	23	+ 5	Crathes	0·2	- 3·1	2	0	34	49·4	—	49·7	—
a Dundee	244	58	25, 29	37	30th	55·0	43·9	49·2	- 1·8	5	1·47	37	+24	Dundee	1·0	—	8	0	32	51·9	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	60	25th	44	29th	56 1	48·6	52·2	—	5	0·74	19	—	(F. of Forth)	1·7	—	14	0	39	—	—	—	—
p Edinburgh	441	58	25, 26, 27	42	29th	55·4	46·4	50·7	- 0·6	5	0·68	17	+ 5	Edinburgh	1·7	- 1·9	14	0	37	—	—	—	—
a West Linton	769	59	27, 28	31	30th	55·7	40·4	47·7	- 0·3	7	0·79	20	—	West Linton	—	—	—	1	25	—	—	—	—
a Marchmont	498	58	29th	39	29, 30	54·9	43·1	48·7	- 1·6	5	1·55	39	+23	Marchmont	1·3	- 2·1	11	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	64	27th	35	25, 30	58·4	42·7	50·2	—	5	1·74	44	—	Ford (Argyll)	—	—	—	0	34	52·8	—	53·9	—
t Renfrew	49	61	27th	34	30th	57·4	43·9	50·3	—	6	0·37	9	—	Renfrew	1·7	—	14	2	27	—	—	—	—
p Rothesay	200	58	27th	43	29th	55·6	45·6	50·4	- 1·7	7	0·74	19	+ 8	Rothesay	1·7	—	14	0	36	51·9	—	53·0	- 0·2
a Kilmarnock	90	65	27th	40	30th	59·1	47·3	52·9	+2·0	6	0·50	13	- 9	Kilmarnock	1·8	—	15	—	—	51·8	—	52·8	—
a Colmonell	170	65	27th	40	30th	58·6	46·9	52·5	+0·7	7	0·82	21	- 3	Colmonell	—	—	—	0	38	—	—	—	—
p Dumfries	160	63	27th	35	30th	57·4	45·3	51·1	- 1·0	6	0·57	15	- 4	Dumfries	2·0	—	17	0	31	52·7	- 0·4	53·1	- 2.1
t Eskdalemuir	794	59	27th	29	30th	54·0	43·4	48·5	—	6	0·77	19	—	Eskdalemuir	1·9	—	16	1	25	—	—	—	—
b, I. OF MAN h Douglas	284	60	27th	45	30th	57·1	50 0	53·4	+0·6	3	0·91	23	- 1	Douglas	2·5	- 1.5	21	0	40	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	58	30th	40	25th	55·0	45·6	50·1	- 0·3	5	1·23	31	+16	Cockle Park	1 6	- 2·4	14	0	35	50·0	- 0·7	51·2	- 0·9
t Tynemouth	118	58	30th	42	29th	55·4	48·0	51·5	- 0·8	4	1·24	31	+18	Tynemouth	—	—	—	0	39	—	—	—	—
p Durham	336	60	27th	39	30th	56·0	45·0	50·2	- 1·5	4	1·04	26	+13	Durham	2·2	- 1·4	18	1	30	—	—	—	—
a North p Rounton	249	64	27, 29	41	24, 30	61·3	44·9	52·7	+1·3	4	0·61	15	+ 3	Rounton	—	—	—	0	32	54·3	—	—	—
a West Witton	605	61	27th	38	30th	56·6	45·0	50·5	—	5	1·41	36	—	West Witton	—	—	—	0	35	51·4	—	51·6	—
h Scarborough	118	60	24, 29	44	29th	58·1	49·7	53·7	+0·1	4	1·03	26	+13	Scarborough †	2·6	- 1·6	22	—	—	—	—	55·1	—
p York	56	65	27th	42	24th	60 0	47·3	53·4	+0·3	4	0·74	19	+ 8	York	2·2	- 1·4	19	—	—	54 6	- 0·4	55·1	- 0·6
t Spurn Head	26	61	27th	47	29th	59·3	51·1	55·0	+0·5	4	0·99	25	+15	Spurn Head	3 6	—	30	—	—	—	—	—	—
b, South a Lincoln	58	62	24. 26	41	30th	60·9	47·4	53·8	+0·2	4	1·29	33	+22	Lincoln	—	—	—	0	40	54·4	- 0·3	55·5	- 0·5
t Cranwell	237	63	27th	40	25, 30	60·0	45·7	52·5	- 1·2	4	0·89	23	+12	Cranwell	3·4	- 1·1	28	0	34	—	—	—	—
														Skegness	4·4	- 0·3	37	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	64	28th	48	25, 29	59·9	50·6	55·0	+0·3	4	0·55	14	+ 1	Cromer	3·9	- 0·9	33	—	—	—	—	—	—
a Little Massingham	277	62	27, 28	44	25th	59·1	48·0	53.3	+0·5	5	1·55	39	+23	Lit Massingham	4·0	- 0·4	34	—	—	—	—	—	—
a, North t Yarmouth	13	64	28th	44	25th	59 6	50·4	54·8	+0 3	4	0·69	17	+ 2	Yarmouth	3·4	—	29	0	39	57·0	+0·2	57·0	- 1·0
a Norwich	93	64	27th	38	25th	60·1	47·9	53·7	- 0·3	4	0·92	23	+ 7	Norwich	2·9	—	24	0	34	55·6	—	—	—
a Geldeston	37	64	26, 28	38	25th	60·5	47·0	53·4	- 0·8	3	0·74	19	+ 5	Geldeston	2 5	- 2·4	21	—	—	—	—	—	—
p Cambridge	41	63	28th	35	25th	60·1	44·9	52 1	- 1·9	4	0.93	23	+11	Cambridge	2.7	- 2·0	23	0	33	56·3	0·0	57·0	- 0·6
t Clacton-on-Sea	54	61	27, 28	43	30th	59 0	50 6	54·6	- 0·4	5	1·91	48	+37	Clacton-on-Sea	3·3	- 2·0	28	0	39	56·4	- 0·6	57·1	- 1·1
q, South a Rothamsted	420	62	26, 28	38	25th	59·6	45·3	52·1	- 0·9	5	0·70	18	+ 3	Rothamsted	2·4	- 2·3	20	0	31	53·7	—	—	—
p Tottenham	51	69	28th	39	25th	61·3	48·1	54·4	—	2	0·38	10	—	Tottenham	1·8	—	15	—	—	—	—	—	—
														Southend	2·9	—	24	0	39	57·4	—	—	—
4. MIDLAND COUNTIES																							
h Harrogate	479	62	28th	39	25th	57·1	44·7	50·6	- 0·7	5	1·41	36	+23	Harrogate	1 9	- 2·1	16	1	24	53 0	+0·2	52·9	- 0·6
a, North p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
p Buxton	987	59	26, 27	36	30th	55·6	45·1	50·1	+0·5	5	1·40	35	+14	Buxton	2·3	—	19	0	33	51·9	- 0·3	52·7	- 1·2
a Worksop	56	66	26th	40	25th	62·3	46·9	54 2	+1·6	5	1·21	31	+20	Worksop	2·2	- 1·4	18	0	33	54·4	—	54·5	—
t Nottingham	82	64	26 27	39	30th	60·4	47·7	53·8	+0 9	5	0·74	19	+ 8	Nottingham	3·0	- 0 8	25	0	32	54·0	+0·2	55·3	- 0·7
, East p Birmingham, Edgbsn.	525	62	26th	39	30th	59·0	46·9	52.7	- 0 2	5	0·77	20	+ 8	Birmingham	2 3	- 1·0	19	0	33	52·0	- 0·4	52·1	- 0·9
a Raunds	213	64	26, 28	37	30th	61·3	43·9	52·2	- 1·5	3	0·78	20	+10	Raunds	3·4	—	28	0	31	55·9	—	—	—
p Oxford	208	64	24, 26, 28	38	30th	61·3	46·7	53·7	- 0·1	4	0·32	8	- 4	Oxford	3·4	- 1·1	29	1	30	—	—	—	—
														Malvern	3·3	—	28	0	35	55·1	—	56·1	—
a Cheadle (N. Staffs.)	646	61	26, 17	36	30th	57·4	45 1	51·0	- 0·6	6	1·51	38	+23	Cheadle	—	—	—	—	—	—	—	—	—
c, West p Tenbury	313	64	24th	33	30th	60·9	45·7	52·9	+0·5	4	0·53	13	+ 3	Tenbury	—	—	—	1	30	55·0	—	—	—
a Hereford	291	63	28th	34	30th	60·1	45·7	52·6	- 0·2	4	0·75	19	+ 7	Ross on Wye	3·4	—	28	0	31	56·1	—	56·8	—
a Clifton	225	63	26, 27	41	30th	61·0	49·4	54·9	0·0	3	0·78	20	+ 4	Clifton	3·6	—	31	0	42	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	63	28th	32	30th	60·1	44 7	52·0	- 0·1	4	0·47	12	- 3	Worthing	3·7	- 1·7	31	0	36	58·1	+0 7	57·9	- 0·9
a Porton	363	66	26th	34	30th	61·2	46·3	53·4	—	3	0·44	11	—	Marlborough	3·1	- 1·0	26	1	30	56·1	—	55·8	—
a Wisley, Surrey	150	64	26, 28	36	30th	60.7	46·7	53·4	- 0·4	5	0 21	5	- 9	Porton	2·9	—	24	1	28	55·7	—	—	—
h Tunbridge Wells	354	67	28th	37	30th	59·6	47·6	53·3	- 1·0	5	0·27	7	- 9	Wisley, Surrey	2·8	- 1·7	24	1	25	55 7	- 0 4	56 0	- 1·1
h Margate	51	66	28th	48	30th	59·7	52·9	56·1	- 0·3	5	1·61	41	+28	Tunbridge Wells	2·9	- 2·1	24	2	26	56 5	—	57·2	—
														Margate	3·3	- 1·5	27	—	—	57 9	+0 5	59·3	+0·7
t Dungeness	21	63	28th	38	30th	60·0	51·3	55·4	- 0·5	4	0·99	25	+10	Folkestone	3·5	—	30	—	—	—	—	58 8	—
h St. Leonards	178	64	28th	40	30th	59·9	51·0	55·2	- 0 8	4	0·30	8	- 8	St. Leonards	3 8	- 1·4	32	0	36	58·6	—	58·0	—
p Southampton	64	64	26, 28	38	30th	61·6	49·3	55·2	- 0·7	5	0·74	19	+ 3	Southampton	3·2	- 1·7	27	0	32	—	—	—	—
a Ventnor	59	65	28th	45	30th	61·1	52·3	56·5	- 0·7	4	0·31	8	- 9	Ventnor	3·6	- 1·4	31	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	64	28th	39	30th	60·3	48·3	54·0	- 0 5	3	0·26	7	- 5	Richmond	2·1	- 2·2	17	1	27	55 4	- 0·3	55·9	- 0·8
a Westminster	27	66	28th	39	30th	61·6	48·4	54·7	- 1·1	3	0·23	6	- 5	Westminster	2·2	- 1·4	18	—	—	—	—	—	—
ag Greenwich	149	67	28th	37	25th	61·4	46·6	53·6	- 1·4	4	0·38	10	- 2	Greenwich	2·2	- 2·2	19	0	31	—	—	—	—
a Hampstead	450	62	28th	37	30th	58·4	47·3	52·6	—	4	0·38	10	—	Hampstead	1 9	—	16	1	27	—	—	—	—
a Camden Square	110	65	28th	39	30th	60·9	47·0	53·6	- 2·2	5	0·41	10	- 2	Camden Square	—	—	—	0	35	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	27th	40	30th	56·9	45·7	51·0	- 0 9	5	0·79	20	- 3	Aspatria	1·9	- 2 2	16	0	37	51·9	- 0 5	52·3	- 1·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	61	26, 27	41	30th	57·3	48.1	52·5	+0 5	5	1·17	30	+ 4	Stonyhurst	1·9	- 1·7	16	0	37	—	—	—	—
h Blackpool	66	63	26, 27	42	30th	58 7	48·9	53·6	+0 2	5	0·96	24	+ 4	Blackpool	2·1	- 2·1	17	0	31	54 8	—	54 3	—
h Southport	37	63	26, 27	42	30th	58·1	49·0	53 3	0 0	5	0·76	19	0	Southport	2·2	- 1·8	18	0	36	54·6	- 0 2	56·7	- 0 1
														Hoylake	2·3	- 1 6	19	—	—	—	—	—	—
t Liverpool (Bidston)	188	63	27th	43	30th	58·1	48·1	52·9	- 0·9	5	0·83	21	+ 4	Liverpool	2·5	—	21	0	34	—	—	—	—
a Hawarden Bridge	22	64	26, 27	40	30th	60·0	48 4	53·9	- 0·3	4	1·06	27	+13	Manchester City	2·0	- 1·1	17	0	39	53·7	- 1 0	55·5	- 1·8
p Manchester (Whit. Pk.)	125	65	27th	38	30th	58 9	48·4	53·4	- 0 6	6	1·31	33	+16	„ Whit. Pk.	2·0	- 1·0	17	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	65	26th	39	30th	59·6	47·6	53·3	- 1·6	5	0·54	14	- 3	Llandudno	2.2	- 2·1	18	—	—	—	—	—	—
t Holyhead	15	63	27th	49	25, 30	58·9	52·1	55·3	+0·7	4	0·19	5	- 14	Holyhead	2·1	—	18	0	42	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 1st, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *a* a Glaisher stand is used. † Earth temperatures at 1 foot.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	66	27th	44	30th	60·3	51·6	55·7	—	4	0·54	14	—	Aberystwyth	3·0	- 1·2	26	—	—	—	—	—	—
a Rhayader	757	60	26th	33	30th	57·3	46·0	51·4	—	5	0·81	21	—	Rhayader ..	2·1	—	18	1	24	—	—	—	—
t Pembroke	149	62	27th	49	29th	58 9	52·0	55·3	+0·3	4	1·71	43	+23	Pembroke ..	3·0	- 1·1	25	—	—	—	—	—	—
p Cardiff	202	65	27th	42	30th	60·9	47·9	54·1	+0·3	3	0·75	19	- 4	Cardiff ..	3·3	—	28	0	34	57·2	+1·3	56·5	- 0·6
b, ENGLAND, S.W.																							
h Bath	66	63	26-28	34	30th	61·1	48·7	54·6	+0·4	5	0·45	11	- 4	Bath	2·9	- 1·3	24	—	—	58·2	—	58·1	—
a Shaftesbury	722	64	28th	41	30th	58·7	47·6	52·9	- 0·6	4	0·42	11	- 7	Shaftesbury ..	—	—	—	—	—	56·1	—	56·5	—
a Arlington	613	63	28th	41	30th	59·1	48·5	53 6	+0·4	5	1·53	39	+ 9										
h Newquay	190	62	27th	45	30th	58·8	51·0	54·7	- 1·2	4	0·81	21	+ 1	Newquay ..	3·6	- 0·9	31	—	—	57·4	—	57·0	—
a Cullompton	202	69	25th	41	25, 30	63·0	48·7	55·5	+1·5	4	1·72	44	+26	Cullompton ..	2·4	- 1·5	20	0	35	57·5	—	—	—
t Portland Bill	19	62	28th	48	29th	60·1	53·0	56·4	- 0·1	4	0·44	11	- 4	Weymouth ..	3·5	—	29	—	—	—	—	—	—
p Plymouth	116	66	27, 28	44	24th	61·7	50·7	55·9	+0·3	3	1·04	26	+ 8	Plymouth ..	3·6	- 0·8	31	0	40	57·7	+0·5	57·0	—
h Falmouth	167	65	28th	47	29th	60·4	51·9	56·0	+0·5	4	0·98	25	+ 3	Falmouth ..	4·0	- 0·5	34	0	41	59·1	—	60·0	—
9. IRELAND, N.																							
t Malin Head	71	60	26th	45	25,29	56·7	49·7	53·0	- 0·1	5	0·70	18	- 1	Malin Head ..	3·6	—	31	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	64	27th	40	20th	57·9	48·4	52·9	—	5	0·58	15	—	Mallarany ..	2·7	—	22	0	31	—	—	—	—
p Markree Castle.. ..	122	63	27th	35	29th	58·9	46·1	52·2	+0·5	6	0·74	19	- 5	Markree Castle	1·5	- 1·7	13	1	28	54·0	- 1·6	54·7	- 1·0
b, East .. *p* Armagh..	204	60	27, 28	39	29th	58·3	47·1	52·4	+0·3	4	0·73	19	+ 2	Armagh ..	1·8	- 1·6	15	0	36	53·9	- 1·0	54·2	- 1·1
t Donaghadee	35	60	24, 28	42	29th	58·0	50·4	54·0	+1·1	4	0·61	15	- 2										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	37	55·4	- 0·3	55·2	- 0·7
p Dublin City	54	61	27th	43	29th	58·9	49·7	54·1	0·0	5	0·74	19	+ 6	Phœnix Park	1·7	- 2·3	14	0	36	—	—	—	—
t Birr Castle	175	61	30th	37	29th	58·6	48·7	53·4	+1·1	4	0·73	18	+ 3	Dublin City ..	—	—	—	0	37	—	—	—	—
a, East .. *a* Kilkenny	195	64	24th	32	29th	59·4	47·1	53·0	+0·1	3	0·93	24	+ 8	Birr Castle ..	—	—	—	1	29	—	—	—	—
a Waterford	137	65	27th	39	28th	60·3	48·0	53·9	- 0·1	6	1·21	31	+12										
p Seskin, Carrick-on-Suir	542	63	24th	40	29th	57·3	47·3	52·1	—	6	2·54	64	—	Seskin ..	1·5	—	13	0	36	—	—	—	—
b, West .. *a* Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	2·6	- 1·2	22	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	61	24th	50	29th	59·3	52·3	55 6	- 1·4	5	0·57	15	- 4	Scilly	2·7	- 2·0	23	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	64	26, 27	45	30th	62·0	54·1	57·9	- 0·2	2	0·28	7	- 13	St. Heliers ..	3·2	- 1·9	27	—	—	—	—	—	—
p Guernsey† ..	173	65	27, 28	47	30th	61·3	51·9	56·4	- 1·8	2	0·37	9	- 13	Guernsey ..	4·0	- 1·2	33	0	41	58·9	- 0·3	59·0	- 1·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 30th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
§ Deerness (Cup Anr.) ..	188	16	5	—	0	26, 29	8	103	41	16	0	130	27	12	26	14	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305*	75	15*	—	0	—	0	2	120	46	0	320	13	6	29	11	35	16	29	10	40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	69	79	20	0	130	† 23	10	26	19	**46	21	29	11	50
Edinburgh	485	39	31	—	0	—	0	45	96	27	0	270	22	10	28	23	31	14	25	17	15
6. *a*. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	69	44	51	4	290	24	11	28	21	40	18	28	20	35
Paisley	188	81	15	—	0	—	0	9	110	49	0	290	16	7	28	19	36	16	28	18	35
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	26	10	50	99	9	0	150	29	13	26	12	39	17	26	12	15
Spurn Head	67	41	‡	—	0	26, 29, 30	22	81	57	8	0	280	31	14	29	7	41	18	29	1	20
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	26	2	73	73	20	0	130	26	11	26	22	33	15	26	2	10
Shoeburyness	103	90	‡	—	0	24	1	64	77	26	0	70	25	11	24	1	35	16	29	8	45
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	78	45	45	0	160	22	10	26	12	34	15	26	12	0
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	45	117	6	0	—	18	8	26	6	30	13	26	4	45
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	95	73	0	0	160	23	10	26	13	32	14	26	11	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	1	111	56	0	170	13	6	26	13	27	12	26	12	30
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	3	133	32	0	160	13	6	26	15	26	12	26	10	0
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	28, 29	18	64	80	0	6	290	37	17	29	3	—	—	—	—	—
Southport	80	62	48	—	0	28, 29	15	75	76	2	0	300	34	15	29	3	43	19	29	2	50
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	—	0	25, 28, 29	15	90	53	10	0	300	29	13	28	19	41	18	26	11	45
8. *b*. ENGLAND, S.W.																					
†† Pendennis Castle ..	256	65	24	—	0	25, 26, 30	35	45	57	31	0	170	37	17	26	21	49	22	26	20	50
Plymouth	185	88	2	—	0	25, 26, 27, 30	39	31	68	30	0	—	37	17	26	8	51	23	26	22	25
Lyme Regis	554	59	‡	Defective Records.																	
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	25, 26, 27	26	69	62	11	0	140	34	15	25	19	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	25, 26, 27	25	79	48	11	5	160	37	17	26	17	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees ‡ Standard mounting.

†Also from 330° on the 29th at 10h and 11h. ** Gust from Dines Pressure Tube Anemometer. §For Deerness the week ends on Friday. †† Direction from Robinson Cup Anemometer at Falmouth.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-NINTH WEEK of 1922—September 24th to September 30th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	61	31	55·4	44·2	49·5	− 0·6	53	− 6	0	− 2	6	+ 1	1·00	25	− 1	1·8	− 1·2	16	1010
Eastern.																			
1. SCOTLAND, EAST ..	60	31	55·1	44·5	49·6	− 0·9	53	− 9	0	− 2	6	+ 2	1·27	32	+17	1·0	− 2·5	8	1010
2. ENGLAND, N.E. ..	65	39	58·4	47·2	52·5	− 0·3	73	− 3	0	0	4	0	1·01	25	+13	2 7	− 1·4	23	1011
3. ENGLAND, EAST ..	69	35	59·9	48·1	53·7	− 0·3	82	− 2	0	0	4	+ 1	0·93	23	+ 9	3·0	− 1·8	25	1011
4. MIDLAND COUNTIES	66	33	60·1	46·3	52·9	+0·1	76	− 1	0	− 1	4	+ 1	0·88	22	+ 9	2·8	− 1·2	24	1011
5. ENGLAND, S.E. ..	67	32	60·4	49·0	54·5	− 0·7	87	− 5	0	0	4	+ 1	0·56	14	− 1	3·2	− 1·7	27	1011
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	65	34	57·7	46·0	51·5	− 0·4	67	− 3	0	− 1	6	+ 2	0·81	21	− 5	—	—	—	1010
7. ENGLAND, N.W. (*and North Wales*)	65	38	58·5	48·4	53·2	− 0·1	78	− 1	0	0	5	+ 1	0·84	21	+ 1	2·1	− 1·7	17	1009
8. ENGLAND, S.W. (*and South Wales*)	69	33	60·1	49·5	54·6	+0·1	88	0	0	− 1	4	0	0·99	25	+ 4	3·1	− 1·1	26	1009
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·7	− 1·7	14	1008
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	65	45	60·9	52·8	56·6	− 1·1	102	− 8	0	0	3	− 1	0·41	10	− 9	3·3	− 1·7	28	1009
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, September 3rd to September 30th, 1922.

0. SCOTLAND, NORTH ..	68	31	56·5	44·2	50·0	− 1·7	228	− 47	5	+ 3	18	0	2·74	69	− 18	3 1	− 0·4	24	1013
Eastern.																			
1. SCOTLAND, EAST ..	70	24	57·6	43·5	50·2	− 2·0	234	− 57	4	+ 1	18	+ 4	2·17	55	+ 4	3·1	− 0·9	24	1013
2. ENGLAND, N.E. ..	69	34	59·3	47·2	53·0	− 1·4	307	− 42	0	0	14	+ 2	2·59	65	+26	3·0	− 1·6	24	1015
3. ENGLAND, EAST ..	72	35	61·7	48·4	54·7	− 1·4	355	− 40	0	0	14	+ 3	2·59	66	+22	4·5	− 0·6	35	1015
4. MIDLAND COUNTIES	72	33	61·1	46·9	53·7	− 1·2	327	− 36	0	− 2	12	+ 1	2·22	56	+13	3·2	− 1·3	25	1015
5. ENGLAND, S.E. ..	73	32	62·3	49·1	55·4	− 1·7	375	− 46	0	0	12	+ 1	2·13	54	+ 6	4·4	− 1·0	35	1016
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	30	59·2	44·9	51·7	− 1·6	272	− 47	0	− 1	18	+ 4	3·05	78	− 6	—	—	—	1015
7. ENGLAND, N.W. (*and North Wales*)	70	33	59·5	47·9	53·4	− 1·5	318	− 43	0	0	16	+ 2	2·88	73	+10	3·4	− 1·1	26	1015
8. ENGLAND, S.W. (*and South Wales*)	71	30	61·0	49·2	54·8	− 1·3	359	− 38	0	− 1	12	− 2	2·96	75	+11	3·9	− 1·0	31	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·9	− 1·0	23	1014
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	44	61·7	52·8	57·0	− 2·2	420	− 61	0	0	9	− 4	2·66	67	+11	4·6	− 1·5	37	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 39 Weeks, January 1st to September 30th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·2	40·3	45·5	− 1·1	1448	−369	494	− 47	186	+ 7	31·94	812	− 67	3·6	0·0	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52·2	39·4	45·5	− 1·6	1587	−442	631	+11	164	+12	21·77	555	+ 3	3·9	− 0·3	29	1010
2. ENGLAND, N.E. ..	84	12	54·7	41·7	48·0	− 0·7	2139	−187	509	+37	141	+ 5	20·14	512	+71	4·4	− 0·2	33	1012
3. ENGLAND, EAST ..	89	16	56·4	42·9	49·3	− 0·6	2429	−240	431	− 63	142	+11	20·61	524	+101	4·9	− 0·1	37	1013
4. MIDLAND COUNTIES	86	11	56·2	41·5	48·5	− 1·0	2270	−329	496	− 28	144	+14	24·41	621	+149	4·2	− 0·3	31	1013
5. ENGLAND, S.E. ..	88	17	57·2	43·8	50·2	− 0·7	2560	−272	318	− 61	143	+16	21·64	550	+93	5·0	− 0·2	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·7	41·1	47·1	− 1·4	1846	−376	448	+31	167	+ 8	33·27	848	+34	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·2	42·8	48·3	− 1·2	2072	−351	360	− 22	150	+ 6	25·39	646	+33	4·4	− 0·1	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·9	43·9	49·7	− 0 9	2358	−309	268	− 34	153	+10	28·53	728	+78	4·7	− 0·3	36	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·9	− 0·1	29	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·2	47·8	52·3	− 0·5	2865	−206	50	− 55	150	+ 4	24·83	632	+105	5·4	− 0·5	41	1014
MEAN: DISTRICTS 1-10 ..	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
6th October, 1922.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1

M.C.3

METEOROLOGICAL OFFICE LIBRARY 16 OCT 1922 157

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 40.

FORTIETH WEEK.

SUNDAY, OCTOBER 1ST, TO SATURDAY, OCTOBER 7TH, 1922.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the greater part of the week was cloudy and unsettled. Rain fell in most places, and thunder was heard at a few stations. A good deal of mist or fog was reported in various parts of the country. Towards the end of the week an extensive anticyclone covered the British Isles and fine weather prevailed generally, notably on Saturday when a number of stations recorded between 9 and 10 hours sunshine. The total amount of sunshine for the week was below the normal at most stations. The departure of the mean duration from the normal for the week ranged from + 1·4 hours a day at Crathes (Kincardine) to −2·2 hours at Guernsey. The mean temperature was above the normal in all districts. Maximum temperatures of 65°F. or slightly above were recorded at several stations about the middle of the week; amongst the highest being 68°F. at Foynes and 67°F. at Cambridge on the 3rd and 67°F. Hawarden Bridge (Cheshire) on the 4th. The lowest of the screen minima were in Scotland, where a few stations registered readings below the freezing point, the absolute lowest 23°F. being recorded at West Linton (Peebles) on the morning of the 7th. Ground frost occurred at a number of stations, the lowest readings of the grass minimum thermometer being 21°F. at West Linton and 23°F. at Eskdalemuir. The total fall of rain for the week was above the normal in Scotland E. and exactly normal in Scotland W. but in all other districts it was below. Amongst the largest individual measurements were 19mm. at Fort William and 17mm. at Castlebay on the 3rd, 25mm. at Plymouth on the 4th and 29mm. at Hull on the 5th, while Achnashellach (Ross and Cromarty) had 17mm. on the 1st and 16mm. on the 3rd and Ford (Argyll) 19mm. and 20mm. on the same dates. Aurora was witnessed at Dublin on the 4th. Solar and lunar halos were seen at a large number of stations on various dates. A parhelion and also a paraselena were observed at Oxford on the 3rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	20	10	4·3	11	5	2·2	8	5	2·1	11	3	1·4	15	8	3·7	10	9	3·9	10	7	3·0	—	—	—
North	6	3	1·5	4	4	1·8	10	11	4·9	8	8	3·5	13	8	3·6	12	9	3·9	10	6	2·8	—	—	—
West	11	9	4·2	17	9	4·2	11	4	2·0	12	6	2·5	19	7	3·1	12	14	6·1	15	9	4·2	—	—	—
East	13	11	4·7	4	7	3·2	8	16	7·1	6	7	3·0	7	10	4·3	9	7	3·0	6	6	2·6	—	—	—
Calm (or wind-speed < 4 m.p.h.)	1	—	—	6	—	—	9	—	—	9	—	—	0	—	—	5	—	—	7	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	—	—	Unusual
Rainfall ..	Moderate	Moderate	Light	Light	Light	Moderate	Moderate	Light	Moderate	—	—	Light
Sunshine ..	Abundant	Abundant	Moderate	Scanty	Moderate	Scanty	—	Moderate	Moderate	Moderate	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 5 weeks from Sept. 3rd, 1922. Warmth ..	0, 3, 2	0, 3, 2	1, 3, 1	1, 3, 1	1, 3, 1	1, 2, 2	1, 2, 2	1, 3, 1	1, 3, 1	—	—	1, 3, 1
Rainfall ..	0, 4, 1	1, 3, 1	2, 1, 2	2, 1, 2	2, 1, 2	1, 3, 1	1, 3, 1	1, 2, 2	1, 3, 1	—	—	1, 1, 3
Sunshine ..	2, 1, 2	1, 2, 2	0, 1, 4	0, 2, 3	0, 2, 3	0, 3, 2	—	0, 2, 3	0, 2, 3	0, 2, 3	—	0, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Mean for the Week: Of Daily Min.	Mean for the Week: Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
SCOTLAND, N.																							
t Lerwick	54	54	1st	39	4th	51·4	43·4	47·3	- 1·1	4	0·44	11	- 14										
p Deerness, Orkney	165	54	1st	43	4th	52·6	45·7	49·1	+0·1	4	0·71	18	- 6	Deerness	4·2	+1·4	37	—	—	—	—	—	—
a Islands — t Stornoway	51	58	5th	40	6th	55 7	45·3	50·4	+1·3	5	1·21	31	- 2	Stornoway	2·8	- 0·3	24	—	—	—	—	—	—
t Castlebay, Barra I.	37	57	4, 5	47	3rd	54·7	50·4	52·5	—	5	1·19	30	—	Castlebay	2·6	—	23	—	—	—	—	—	—
t Wick	81	57	1st	40	1st	53·3	44·3	48·7	- 0·3	5	0·34	9	- 10										
a Strathpeffer	125	60	7th	40	2nd	57·8	45·7	51·6	+2 6	4	0·78	20	+ 3										
b, Mainland — h Achnashellach	225	61	5, 6	45	3rd	57·4	47·6	52·4	+4·1	3	1·46	37	- 19	Achnashellach	—	—	—	0	42	—	—	—	—
h Inverness	242	60	4, 6	42	6th	56·9	45·6	51·1	—	6	0·67	17	—	Inverness	3·4	—	30	0	38	—	—	—	—
a Fort Augustus	68	60	6th	39	3, 7	56·7	42·7	49 5	+0·2	6	1·26	32	+ 6										
p Fort William	171	61	1, 6	43	3rd	57·3	46·6	51·8	+1·7	6	1·95	50	+ 3										
1. SCOTLAND, E.																							
t Nairn	82	59	5th	38	6th	56·4	44·3	50·2	+1·5	4	0·75	19	+ 5	Nairn	4·3	—	38	—	—	—	—	—	—
p Gordon Castle	101	61	6th	40	6 7	57·6	44·0	50·6	+1·0	2	0·51	13	- 4	Gordon Castle	4·7	—	41	—	—	—	—	—	—
t Aberdeen	46	59	1, 2, 7	39	7th	57·0	44·9	50·8	+1·1	5	1·01	26	+10	Aberdeen	4·4	+0·9	39	1	30	—	—	50·9	- 0·6
a Balmoral	930	62	4th	31	7th	56·0	39·4	47·5	+1·4	5	0·57	14	- 5	Balmoral	—	—	—	1	30	—	—	—	—
p Crieff	432	61	7th	36	7th	57·0	43·3	50·0	+0·4	4	1·49	38	+17	Crathes	4·8	+1·4	43	2	29	48·9	—	49·6	—
a Dundee	244	—	—	—	—	—	—	—	—	—	—	—	—	Dundee	—	—	—	—	—	—	—	—	—
														Inchkeith (F. of Forth)	4·3	—	38	0	35	—	—	—	—
t Inchkeith (F. of Forth)	190	61	4th	41	7th	56·9	48·7	52·7	—	4	0·79	20	—										
p Edinburgh	441	62	4th	39	7th	56 3	46·4	51·2	+1·3	4	0·79	20	+ 6	Edinburgh	4 5	+0·9	40	0	34	—	—	—	—
a West Linton	769	62	1st	23	7th	56·9	39·3	47·8	+1·2	6	0·73	19	—	West Linton	—	—	—	1	21	—	—	—	—
a Marchmont	498	59	2nd	33	7th	57·1	42·0	49·3	+0·5	4	0·88	22	+ 3	Marchmont	4·2	+1·0	37	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	61	6th	33	7th	58·6	44·3	51·2	—	4	2·07	53	—	Ford (Argyll)	—	—	—	0	35	52·9	—	53·3	—
t Renfrew	49	63	4th	31	7th	57·4	45·6	51·3	—	4	1·06	27	—	Renfrew	3·8	—	33	2	26	—	—	—	—
p Rothesay	200	59	4th	40	7th	56·4	46·7	51·4	+0 8	5	1·36	35	+ 9	Rothesay	4·4	—	39	0	33	52·0	—	51·9	- 0·7
a Kilmarnock	90	62	4. 7	33	7th	59·3	46·3	52·6	+3·3	4	0·94	24	+ 3	Kilmarnock	3·9	—	34	—	—	52·1	—	52·4	—
a Colmonell	170	62	4. 6	32	7th	60·0	47·6	53·6	+3·1	5	0 77	20	- 5	Colmonell	—	—	—	0	32	—	—	—	—
p Dumfries	160	60	4th	34	7th	57·9	45·4	51·5	+1·1	5	0·37	9	- 11	Dumfries	3·4	—	30	1	29	52·3	+0·4	52·8	- 1.5
t Eskdalemuir	794	58	5th	30	7th	55·3	43·1	49·0	—	5	0·97	25	—	Eskdalemuir	3·5	—	31	2	23	—	—	—	—
b, I. OF MAN h Douglas	284	58	1, 5	42	7th	56·7	49·4	52·9	+1·4	4	0·50	13	- 12	Douglas	4·8	+1.0	42	0	38	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	62	4th	37	3rd	58·3	43·9	50·9	+2·2	2	0·44	11	- 7	Cockle Park	3 9	+0·3	35	2	29	49·8	- 0·2	50·8	- 0·7
t Tynemouth	118	64	5th	39	3rd	58·4	46·9	52·5	+1·9	3	0·39	10	- 5	Tynemouth	—	—	—	0	34	—	—	—	—
p Durham	336	62	1st	32	7th	58·4	43·3	50·6	+0·7	2	0·31	8	- 8	Durham	3·7	+0·4	32	2	25	—	—	—	—
a North — p Rounton	249	62	1, 4 5	38	7th	60 6	44·7	52·4	+2·8	3	0·46	12	- 3	Rounton	—	—	—	2	27	53·9	—	—	—
a West Witton	605	61	5th	43	2, 3, 7	58·3	47·1	52·5	—	4	0 34	9	—	West Witton	—	—	—	0	36	50·7	—	51·2	—
h Scarborough	118	64	1st	47	2, 3	59·9	50·0	54·8	+2·9	3	0·37	9	- 7	Scarborough †	3·2	- 0·5	28	—	—	—	—	55·1	—
p York	56	62	4, 5	37	7th	59·4	46·4	52·7	+1·5	3	0 21	5	- 9	York	3·2	0·0	28	—	—	53 8	- 0 2	54·5	- 0·5
b, South — t Spurn Head	26	62	3, 4	43	2nd	58·7	50·3	54·4	+1 6	4	0·13	3	- 9	Spurn Head	3·8	—	34	—	—	—	—	—	—
a Lincoln	58	64	4, 5	39	2nd	60·4	46·6	53·3	+1·7	3	0·18	5	- 8	Lincoln	—	—	—	0	39	53·5	0·0	55·1	- 0·3
t Cranwell	237	64	4th	38	2nd	60·0	46·9	53·3	+1 6	1	0·12	3	- 10	Cranwell	3·5	- 0·5	30	0	36	—	—	—	—
														Skegness	3 5	- 0·7	31	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	65	4, 5	47	2nd	60·6	50·0	55·1	+2·2	3	0·08	2	- 10	Cromer	4·0	+0·1	35	—	—	—	—	—	—
a Little Massingham	277	63	4, 5	44	2nd	59·4	48·9	54.0	+3·1	3	0 12	3	- 12	Lit Massingham	3·0	- 0·6	26	—	—	—	—	—	—
a, North — t Yarmouth	13	65	5th	45	2nd	61·0	50·7	55·7	+2·9	2	0·06	1	- 13	Yarmouth	3·4	—	29	0	42	55 9	+0·4	56·1	- 1 0
a Norwich	93	64	4 5	45	2nd	60·9	49·0	54·8	+2·7	2	0 13	3	- 12	Norwich	3·4	—	30	0	40	55·2	—	—	—
a Geldeston	37	66	4th	43	2nd	61·8	48·1	54·8	+2·4	2	0·07	2	- 11	Geldeston	3 1	- 0·9	27	—	—	—	—	—	—
p Cambridge	41	67	3rd	40	2nd	63·1	47·3	55·0	+3·0	3	0.23	6	- 5	Cambridge	3.5	- 0·3	31	0	33	55·8	+0·7	56 5	- 0 4
t Clacton-on-Sea	54	65	5th	50	3, 6	60 4	52·6	56 4	+3 1	3	0·45	11	+ 1	Clacton-on-Sea	2·6	- 1·7	22	0	44	56 3	+0 4	56 9	- 0 6
e, South — a Rothamsted	420	63	1st	41	2nd	59·3	47·7	53·3	+2·1	3	0·13	3	- 11	Rothamsted	2·8	- 0·9	25	0	32	53 6	—	—	—
p Tottenham	51	64	1, 4	44	2nd	62·3	50·4	56·2	—	4	0 35	9	—	Tottenham	1·9	—	17	—	—	—	—	—	—
														Southend	2·0	—	18	0	44	56·6	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	60	1, 4 5	39	7th	57·6	46·9	52·1	+2·5	3	0·26	7	- 8	Harrogate	2 9	- 0·3	26	1	30	52·0	+0·1	52 3	- 0·5
a, North — p Sheffield	429	64	4th	44	7th	60·0	48·7	54·2	—	3	0·24	6	—	Sheffield	3·4	+0·3	30	0	38	52·8	0·0	53·1	- 0·7
p Buxton	987	61	4th	38	7th	56·4	43 3	49·7	+1·8	3	0·29	7	- 17	Buxton	3·2	—	28	0	32	51·4	+0·2	52·4	- 0 9
a Worksop	56	66	1, 4	37	2nd	62·6	45·6	53·9	+3·1	3	0·09	2	- 10	Worksop	3·1	+0·1	27	1	30	53 3	—	53·9	—
t Nottingham	82	63	4th	39	2nd	60·1	48·1	53 9	+2 9	2	0·13	3	- 9	Nottingham	3 0	- 0 1	26	0	34	54·3	+1·6	54·4	- 0·8
, East — p Birmingham, Edgbas.	525	62	5th	42	2, 7	59·0	47·1	52·9	+1 8	2	0·16	4	- 9	Birmingham	2 7	+0 1	24	1	29	51·9	+0 2	52 0	- 0 7
a Raunds	213	65	5th	37	2nd	61·3	44·9	52·9	+1·4	3	0·09	2	- 10	Raunds	3·4	—	30	0	34	54·8	—	—	—
p Oxford	208	64	1st	42	2nd	61·1	48·7	54·7	+2 8	4	0·13	3	- 10	Oxford	2·5	- 1·1	22	0	37	—	—	—	—
														Malvern	2·8	—	24	0	38	54·5	—	55·5	—
a Cheadle (N. Staffs.)	646	61	4th	39	7th	57 9	45 6	51·6	+1 8	3	0 09	2	- 14	Cheadle	—	—	—	—	—	—	—	—	—
s, West — p Tenbury	313	63	2nd	35	7th	60·4	44·3	52·1	+1·5	2	0·42	11	- 1	Tenbury	—	—	—	1	30	54·2	—	—	—
a Hereford	291	62	4, 5	39	2 7	59·9	44·7	52·1	+1·1	2	0·09	2	- 12	Ross on Wye	2·4	—	21	0	35	55·5	—	56·3	—
a Clifton	225	62	1 2 3	43	7th	59·6	49·9	54·6	+1·7	2	0·37	9	- 9	Clifton	2·9	—	25	—	—	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	62	2nd	40	7 th	59·3	45·7	52·3	+2·1	5	0·51	13	- 5	Worthing	3·7	- 0·7	32	0	42	57 5	+1 3	57 7	- 0 3
a Porton	363	64	2nd	43	7th	60·5	48 7	54·4	—	2	0·73	19	—	Marlborough	2 3	- 1·1	20	0	35	54 8	—	55 3	—
a Wisley, Surrey	150	65	2nd	43	2, 7	61.6	48 9	55·1	+3·4	2	0·26	7	- 10	Porton	2·3	—	20	0	39	55·5	—	—	—
h Tunbridge Wells	354	65	5th	44	7th	61·9	50·1	55·8	+3·4	4	0·72	18	- 2	Wisley, Surrey	2 2	- 1·5	19	0	33	56 1	+1 2	55 9	- 0·5
h Margate	51	63	4, 5	50	1st	60·1	53·1	56·5	+2·2	5	0·97	25	+ 9	Tunbridge Wells	2·5	- 1·5	22	0	36	57·1	—	56·9	—
														Margate	2·1	- 1·7	19	—	—	57·4	+1·3	58·8	+1·0
t Dungeness	21	63	1 2,4 5	50	6th	61·4	54 3	57·8	+3·8	4	0·43	11	- 7	Folkestone	1·2	—	10	0	46	—	—	58·0	—
h St. Leonards	178	64	5th	47	7th	61·0	52·9	56 8	+2 7	5	0·49	13	- 7	St. Leonards	2 7	- 1·6	24	0	42	58·6	—	57·9	—
p Southampton	64	65	2, 5	45	7th	62·6	51·3	56·8	+2 9	2	0·66	17	- 3	Southampton	2·9	- 1·0	25	0	39	—	—	—	—
a Ventnor	59	64	3. 4	46	7th	62·0	52·4	57·1	+1·6	3	0·73	19	- 2	Ventnor	3·7	- 0·4	33	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	65	1st	45	2nd	61·5	51·1	56·2	+3 8	3	0·41	10	- 5	Richmond	2·1	- 1·3	18	0	37	55·8	+1·2	55 6	- 0·5
a Westminster	27	64	1 2,4 5	46	1, 2	62·1	50·9	56·3	+2·6	3	0·45	11	- 2	Westminster	1·6	- 1·1	14	—	—	—	—	—	—
ae Greenwich	149	66	4, 5	45	2nd	62·6	49·4	55·8	+3·0	3	0·37	9	- 5	Greenwich	1·8	- 1·8	15	0	37	—	—	—	—
a Hampstead	450	63	1st	45	2 7	60·3	49·3	54·6	—	3	0·35	9	—	Hampstead	2·5	—	22	0	37	—	—	—	—
a Camden Square	110	65	4, 5	44	1st	62·4	49·6	55·8	+2·4	3	0·52	13	- 1	Camden Square	—	—	—	0	42	54·9	—	55·2	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	4th	34	7th	55·9	45·4	50·5	+0 4	5	0·68	17	- 6	Aspatria	4·1	+0·4	36	0	32	52·0	+0 7	52·0	- 1 0
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	61	4th	37	7th	57·7	47.1	52·2	+1·9	5	0·51	13	- 13	Stonyhurst	3·3	+0·1	29	0	33	—	—	—	—
h Blackpool	66	61	4, 5 6	37	7th	59 3	47·6	53·3	+1·7	4	0·18	5	- 16	Blackpool	3·7	- 0·1	32	1	29	53 9	—	53 9	—
h Southport	37	63	4th	37	7th	58 6	48·1	53 2	+1·6	3	0·24	6	- 14	Southport	4·2	+0·6	37	1	30	53·5	+0·1	55·5	- 0 3
														Hoylake	2·6	- 0·9	23	—	—	—	—	—	—
t Liverpool (Bidston)	188	66	4th	42	2, 7	57·6	47·3	52·3	+0·3	2	0·20	5	- 13	Liverpool	2·0	—	18	0	34	—	—	—	—
a Hawarden Bridge	22	67	4th	38	2nd	60·1	46·9	53·3	+0·9	2	0·30	7	- 8	Manchester City	2·2	- 0·4	19	0	37	53·2	- 0·5	55·1	- 1·4
p Manchester (Whit. Pk.)	125	64	4th	41	7th	59·1	47·1	52·9	+0 6	2	0·17	4	- 14	„ Whit. Pk.	2·4	- 0·1	21	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	65	4th	33	7th	59·1	45·4	52·1	- 1·2	3	0·14	4	- 15	Llandudno	3·3	- 0·6	29	—	—	—	—	—	—
t Holyhead	15	59	5th	46	7th	57·1	52·0	54·5	+1·3	2	0·22	4	- 15	Holyhead	3·2	—	28	0	41	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week: in.	mm.	Deviation from Normal. mm.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	62	4th	39	7th	59·3	50·0	54·5	—	3	0·35	9	—	Aberystwyth	3·4	- 0·6	30	—	—	—	—	—	—
a Rhayader	757	60	4th	35	2nd	57·1	44·9	50·8	—	6	0·81	21	—	Rhayader ..	2·8	—	24	2	27	—	—	—	—
i Pembroke	149	61	6th	43	7th	57·9	51·1	54·4	+0·7	3	0·26	7	- 15	Pembroke ..	3·8	- 0·1	33	—	—	—	—	—	—
p Cardiff	202	63	1, 2	40	4th	60·0	47·6	53·6	+1·6	3	0·49	12	- 13	Cardiff ..	3·4	—	30	0	40	56·1	+1·3	56·2	- 0·2
b, ENGLAND, S.W.																							
h Bath	66	65	2nd	41	7th	61·0	51·0	55·9	+3·7	3	0·35	9	- 8	Bath	2·9	- 0·9	26	—	—	57·4	—	57·8	—
a Shaftesbury	722	62	2nd	41	7th	58·0	48·9	53·3	+1·8	3	0·77	20	- 1	Shaftesbury ..	—	—	—	—	—	56·7	—	56·4	—
a Arlington	613	61	3rd	43	7th	57·7	49·0	53·2	+1·7	5	0·97	25	- 9										
h Newquay	190	65	3rd	43	2nd	58·9	51·7	55·2	+0·7	4	0·45	11	- 11	Newquay ..	3·4	- 0·9	29	—	—	57·2	—	56·7	—
a Cullompton	202	65	1st	38	7th	61·1	49·3	55·0	+2·9	4	0·70	18	- 3	Cullompton ..	1·8	- 1·7	16	0	32	56·8	—	—	—
i Portland Bill	19	62	1st	45	7th	60·1	52·0	55·9	+1·0	4	0·75	19	+ 1	Weymouth ..	3·5	—	30	—	—	—	—	—	—
p Plymouth	116	63	1, 2	45	7th	60·4	50·7	55·4	+1·5	5	1·14	29	+ 8	Plymouth ..	3·0	- 1·1	26	0	40	57·0	+0·9	57·0	—
h Falmouth	167	63	6th	44	7th	60·4	52·3	56·2	+2·2	5	0·70	18	- 8	Falmouth ..	3·1	- 1·2	27	0	37	58·9	—	59·6	—
9. IRELAND, N.																							
i Malin Head	71	63	4th	41	7th	57·3	49·9	53·5	+1·7	4	0·58	15	- 2	Malin Head ..	4·2	—	38	—	—	—	—	—	—
a, West .. i Blacksod Point	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	61	7th	48	1, 7	58·6	50·4	54·4	—	5	1·24	31	—	Mallarany ..	2·5	—	22	0	40	—	—	—	—
p Markree Castle.. ..	122	64	4th	36	7th	60·3	46·9	53·4	+3·1	5	0·60	15	- 7	Markree Castle	2·9	+0·1	25	1	30	54·3	- 0·3	54·5	- 0·7
b, East .. p Armagh.. ..	204	63	4th	35	7th	58·9	46·4	52·5	+1·9	7	0·57	14	- 1	Armagh ..	2·8	- 0·1	24	1	29	54·0	0·0	53·9	- 0·9
i Donaghadee	35	62	4th	42	7th	57·6	50·3	53·8	+2·1	4	0·19	5	- 11										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	36	55·1	+0·2	54·9	- 0·4
p Dublin City	54	65	4th	42	7th	59·7	49·1	54·2	+2·0	4	0·28	7	- 6	Phœnix Park	3·5	- 0·3	30	0	32	—	—	—	—
i Birr Castle	175	65	3rd	32	7th	58·6	45·3	51·8	+1·6	4	0·56	14	0	Dublin City ..	—	—	—	0	37	—	—	—	—
a, East .. a Kilkenny	195	65	4th	36	7th	60·3	44·3	52·1	+1·2	3	0·19	5	- 10	Birr Castle ..	—	—	—	1	29	—	—	—	—
a Waterford	137	61	1, 5, 6	39	1, 6	59·9	45·1	52·3	0·0	4	0·09	2	- 16										
p Seskin, Carrick-on-Suir	542	63	4th	39	7th	59·3	46·1	52·5	—	4	0·11	3	—	Seskin ..	3·3	—	29	0	34	—	—	—	—
a Foynes	50	68	3rd	40	7th	61·0	47·6	54·1	+2·0	4	0·24	6	- 12										
b, West .. i Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	2·6	- 1·0	23	—	—	—	—	—	—
i Roche's Point ..	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
i Scilly, St. Mary's ..	131	61	2nd	48	7th	58·3	52·7	55·6	+0·3	6	0·40	10	- 10	Scilly ..	2·5	- 1·7	21	—	—	—	—	—	—
i Jersey, St. Aubins ..	25	66	4th	51	2nd	63·1	54·6	58·7	+2·8	3	0·29	7	- 16	St. Heliers ..	2·7	- 1·8	23	—	—	—	—	—	—
p Guernsey† ..	173	65	4th	51	2nd	61·7	53·9	57·7	+1·7	6	0·46	12	- 12	Guernsey ..	2·4	- 2·2	21	0	48	59·1	+1·0	59·0	- 0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 7th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	m/s.	Mid Time. d	hr.	Highest Gust. Speed m.p.h	m/s.	Time. d.	h.	m
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
§ Deerness (Cup Anr.) ..	188	16	5	—	0	2	1	78	84	5	0	270	25	11	2	15	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	43	125	0	110	9	4	5	13	19	8	2	14	50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	12	105	51	0	130	15	7	4	8	**26	11	4	8	10
Edinburgh	485	39	31	—	0	—	0	54	69	45	0	240	20	9	2	1	32	14	2	0	25
6. a. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	48	79	41	0	240	21	10	2	1	29	13	2	0	50
Paisley	188	81	15	—	0	—	0	4	107	57	0	260	14	6	2	11	31	14	2	10	50
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	—	0	25	101	38	4	80	20	9	5	24	28	13	2	14	15
Spurn Head	67	41	‡	—	0	6	1	49	103	15	0	50	26	11	6	4	39	17	6	3	55
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	6	16	31	69	52	0	70	35	15	6	10	46	21	6	9	45
Shoeburyness	103	90	‡	—	0	6	3	14	91	44	16	50	26	12	6	14	37	16	6	14	0
																				15	0
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	38	83	49	0	50	22	10	6	12	34	15	6	13	20
																			7	11	10
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	—	0	36	101	31	0	—	19	9	5	15	31	14	5	18	25
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	60	94	14	0	50	24	11	6	12	34	15	5	12	35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	13	100	55	0	30	18	8	6	14	33	15	7	9	55
												60			7	10					
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	15	122	31	0	40	16	7	7	11	30	13	6	14	25
																			7	10	45
7. a. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	33	124	11	0	30	19	9	6	6	—	—	—	—	—
Southport	80	62	48	—	0	—	0	37	127	4	0	240	20	9	5	6	32	14	6	6	10
7. b. NORTH WALES.																					
Holyhead	60	40	‡	—	0	—	0	87	77	4	0	30	23	11	6	9	36	16	4	18	5
8. b. ENGLAND, S.W.																					
Pendennis Castle ..	256	65	24	—	0	4, 5	4	81	38	45	0	—	25	11	5	16	38	17	5	16	5
Plymouth	185	88	2	—	0	—	0	71	61	24	12	—	23	10	4	16	34	15	5	15	30
Lyme Regis	554	59	‡	Defective Records.																	
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	57	83	28	0	300	21	9	5	24	—	—	—	—	—
Quilty	100	40	‡	—	0	5	16	51	89	12	0	—	31	14	5	7	44	19	5	6	15
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡	—	0	5	1	45	113	9	0	—	27	12	5	15	44	20	5	15	5
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	5, 6	18	46	70	28	6	300	34	15	5	20	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees ‡ Standard mounting.
** Gust from Dines Pressure Tube Anemometer. §For Deerness the week ends at midnight on Friday.

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1922—October 1st to October 7th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	61	39	55·7	45·1	50·2	+1·2	57	+ 5	0	− 2	5	0	1·06	27	− 4	3·4	+0·7	30	1015
Eastern.																			
1. SCOTLAND, EAST ..	62	23	56·9	43·2	49·9	+0·7	55	0	0	− 3	4	0	0·84	21	+ 4	4·5	+1·1	39	1016
2. ENGLAND, N.E. ..	64	32	59·3	46·6	52.8	+1·6	76	+11	0	− 1	3	− 1	0·29	7	− 8	3 5	− 0·2	31	1017
3. ENGLAND, EAST ..	67	40	61·0	49·4	55·0	+2·7	91	+18	0	− 1	3	− 1	0·18	4	− 9	3 0	− 0·8	27	1017
4. MIDLAND COUNTIES	66	35	59·9	46·6	53·1	+2·2	78	+12	0	− 3	3	− 1	0·18	5	− 9	2 9	− 0·4	25	1017
5. ENGLAND, S.E. ..	65	40	61·2	50·9	55·9	+2 6	97	+17	0	− 1	3	− 1	0·59	15	− 3	2·5	− 1·3	22	1018
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	63	31	58·0	46 5	52·1	+1·6	71	+ 8	0	− 1	4	0	1·01	26	0	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	67	33	58·2	47·4	52·6	+0·9	74	+ 5	0	− 1	3	− 1	0·30	8	− 13	3·5	+0·1	30	1018
8. ENGLAND, S.W. (*and South Wales*)	65	35	59·4	49·7	54·4	+1·6	87	+11	0	0	4	0	0·69	18	− 6	3·0	− 0·8	26	1018
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·8	− 0·1	25	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	66	48	61·1	53·7	57·3	+1·5	107	+ 8	0	0	5	+ 1	0·38	10	− 11	2·5	− 1·9	22	1019
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 3rd to October 7th, 1922.

0. SCOTLAND, NORTH ..	68	31	56·3	44·4	50·0	− 1·2	285	− 42	5	+ 1	23	0	3·80	96	− 22	3·1	− 0·3	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	70	23	57·5	43·4	50·2	− 1·4	289	− 57	4	− 2	22	+ 4	3·01	76	+ 8	3·3	− 0·6	27	1014
2. ENGLAND, N.E. ..	69	32	59·3	47·1	52·9	− 0·8	383	− 31	0	− 1	17	+ 1	2·88	72	+18	3·1	− 1·3	25	1015
3. ENGLAND, EAST ..	72	35	61·5	48·6	54·8	− 0·5	446	− 22	0	− 1	17	+ 2	2·77	70	+13	4·2	− 0·7	34	1015
4. MIDLAND COUNTIES	72	33	60·9	46·8	53·6	− 0·5	405	− 24	0	− 5	15	0	2·40	61	+ 4	3·1	− 1·1	25	1016
5. ENGLAND, S.E. ..	73	32	62·1	49·5	55·5	− 0·8	472	− 29	0	− 1	15	0	2·72	69	+ 3	4·1	− 1·0	33	1016
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	30	58·9	45·2	51·8	− 1·0	343	− 39	0	− 2	22	+ 4	4·06	104	− 6	—	—	—	1015
7. ENGLAND, N.W. (*and North Wales*)	70	33	59·2	47·8	53·2	− 1·1	392	− 38	0	− 1	19	+ 1	3·18	81	− 3	3·4	− 0·8	27	1016
8. ENGLAND, S.W. (*and South Wales*)	71	30	60·7	49·3	54·7	− 0·8	446	− 27	0	− 1	16	− 2	3·65	93	+ 5	3·7	− 1·0	30	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·9	− 0·8	23	1014
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	44	61·6	53·0	57·1	− 1·4	527	− 53	0	0	14	− 3	3·04	77	0	4·2	− 1·5	34	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 40 Weeks, January 1st to October 7th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·3	40·4	45·6	− 1·1	1505	−364	494	− 49	191	+ 7	33·00	839	− 71	3·6	0·0	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52 3	39·5	45·6	− 1·6	1642	−442	631	+ 8	168	+12	22·61	576	+ 7	3·9	− 0·3	29	1010
2. ENGLAND, N.E. ..	84	12	54·9	41·9	48·1	− 0·7	2215	−176	509	+36	144	+ 4	20·43	519	+63	4·3	− 0·3	33	1012
3. ENGLAND, EAST ..	89	16	56·5	43·0	49·5	− 0·5	2520	−222	431	− 64	145	+10	20·79	528	+92	4·9	− 0·1	37	1013
4. MIDLAND COUNTIES	86	11	56·3	41·6	48·6	− 1·0	2348	−317	496	− 31	147	+13	24·57	625	+139	4·1	− 0·3	31	1013
5. ENGLAND, S.E. ..	88	17	57·3	44·0	50·4	− 0·6	2657	−255	318	− 62	146	+15	22·23	565	+90	4·9	− 0 3	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·8	41·2	47·3	− 1·3	1917	−368	448	+30	171	+ 8	34·28	874	+34	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·3	42·9	48·4	− 1·1	2146	−346	360	− 23	153	+ 5	25·69	654	+20	4·4	− 0·1	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	56·0	44·0	49·8	− 0 9	2445	−298	268	− 34	157	+10	29·22	746	+72	4·7	− 0·2	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·9	− 0·1	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·3	48·0	52·4	− 0·5	2972	−198	50	− 55	155	+ 5	25·21	642	+94	5·3	− 0·6	40	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
13th October, 1922.

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METEOROLOGICAL OFFICE
23 OCT 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 41.

FORTY-FIRST WEEK.

SUNDAY, OCTOBER 8TH, TO SATURDAY, OCTOBER 14TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

There was a considerable improvement in the weather over the British Islands during the past week. There were a few rather heavy falls of rain in Scotland and Ireland, but the measurements in most other parts of the country were very slight, in fact in several places the week was rainless. Good records of sunshine were obtained during the week, a large number of stations registering between 9 and 10 hours per day, notably on the last two days of the period. The mean amount of sunshine for the week was above the normal at most stations. The departure of the mean duration from the normal for the week ranged from +3·2 hours at Ventnor to −2·1 hours at Aberdeen. The highest of the maximum temperatures occurred generally on the 14th and while a number of places registered readings of between 65°F. and 70°F. there were a few stations where the highest temperature of the week failed to reach 60°F. There were a few screen minima below 32°F. recorded on various dates, the lowest being 26°F. at Marlborough (Wilts.) and also at Porton (Salisbury Plain) on the morning of the 11th, while ground frosts occurred at most stations; a reading of the grass thermometer as low as 19°F. being registered at Birmingham and also at Rhayader (Radnor). At several stations the mean daily range of temperature was rather large, in some instances it was as much as 20°F. The mean temperature for the week was above the normal in the Scottish districts and also in Ireland N., but in all the English districts it was below. The heaviest falls of rain recorded during the week were:—20mm. at Rothesay (Bute) and Markree Castle (Sligo), 16mm. at Colmonell (Ayr) and 14mm. at Mallaranny (Mayo) on the 11th, 22mm. at Eskdalemuir and 14mm. at Ford (Argyll) on the 12th and 17mm. at Lerwick and Stornoway on the 13th. The total amount of rain for the week was below the normal in all districts. Solar halos were seen at Oxford on the 9th and at Ross-on-Wye on the 12th. A lunar halo was witnessed at Guernsey on the 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	21	12	5·5	17	10	4·4	14	9	4·2	8	5	2·2	19	10	4·3	16	11	5·0	15	13	5·6	—	—	—
North	2	2	1·1	2	3	1·3	11	7	3·1	12	6	2·6	4	4	1·9	5	4	1·6	7	3	1·5	—	—	—
West	9	4	1·8	8	5	2·4	6	4	1·7	2	4	1·7	7	3	1·5	2	2	0·8	7	5	2·1	—	—	—
East	11	5	2·3	4	3	1·3	13	10	4·5	19	4	1·6	17	6	2·5	21	13	5·8	11	4	1·7	—	—	—
Calm (or wind-speed < 4 m.p.h.)	4	—	—	9	—	—	3	—	—	7	—	—	4	—	—	3	—	—	6	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*)	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year .. Warmth ..	Unusual	Unusual	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	—	—	Moderate
Rainfall ..	Light	Very Light	Very Light	Very Light	Very Light	Very Light	Moderate	Very Light	Very Light	—	—	Very Light
Sunshine ..	Abundant	Scanty	Moderate	Abundant	Abundant	Very Abundant	—	Abundant	Abundant	Moderate	—	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 6 weeks from Sept. 3rd, 1922.	Warmth ..	1, 3, 2	1, 3, 2	1, 4, 1	1, 4, 1	1, 4, 1	1, 2, 3	1, 3, 2	1, 4, 1	1, 4, 1	—	—	1, 4, 1
	Rainfall ..	0, 4, 2	1, 3, 2	2, 1, 3	2, 1, 3	2, 1, 3	1, 3, 2	1, 4, 1	1, 2, 3	1, 3, 2	—	—	1, 1, 4
	Sunshine ..	3, 1, 2	1, 2, 3	0, 2, 4	1, 2, 3	1, 2, 3	1, 3, 2	—	1, 2, 3	1, 2, 3	0, 3, 3	—	1, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week		Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
SCOTLAND, N.																							
a Islands: Lerwick	54	55	14th	44	12th	52·1	46·9	49·4	+2·7	5	0·91	23	0										
a Islands: p Deerness, Orkney	165	59	14th	46	11th	53·9	48·4	51·1	+3·9	4	0·43	11	- 11	Deerness	3·1	+0·5	29	—	—	—	—	—	—
a Islands: t Stornoway	51	58	14th	35	8th	54·4	43·1	48·6	+1·5	4	1·02	26	- 4	Stornoway	3·0	+0·2	28	—	—	—	—	—	—
a Islands: t Castlebay, Barra I.	37	56	8, 14	46	12th	54·1	49·9	51·9	—	3	0·55	14	—	Castlebay	3·7	—	35	—	—	—	—	—	—
b, Mainland: t Wick	81	60	14th	43	12th	53·7	47·6	50·6	+3·6	3	0·20	5	- 12										
b, Mainland: a Strathpeffer	125	61	14th	33	11th	55·8	42·0	48·7	+2·0	2	0·06	1	- 14										
b, Mainland: h Achnashellach	225	58	8, 14	37	9, 11	56·3	44·4	50·2	—	4	0·61	15	—	Achnashellach	—	—	—	0	32	—	—	—	—
b, Mainland: h Inverness	242	61	14th	—	—	55·0	—	—	—	2	0·08	2	—	Inverness	2·5	—	24	0	33	—	—	—	—
b, Mainland: a Fort Augustus	68	61	14th	39	11th	56·3	44·1	50·0	+2·9	4	0·29	7	- 16										
b, Mainland: p Fort William	171	62	8th	41	9th	55·7	46·1	50·8	+2·9	3	0·62	16	- 24										
1. SCOTLAND, E.																							
t Nairn	82	64	14th	36	11th	55·9	45·0	50·3	+3·8	2	0·06	1	- 13	Nairn	2·2	—	21	—	—	—	—	—	—
p Gordon Castle	101	65	14th	35	11th	56·1	46·0	50·9	+3·3	3	0·06	2	- 16	Gordon Castle	1·3	—	12	—	—	—	—	—	—
t Aberdeen	46	62	14th	40	8th	54·9	46·9	50·8	+3·1	4	0·20	5	- 12	Aberdeen	1·1	- 2·1	11	0	38	—	—	50·6	- 0·3
a Balmoral	930	63	14th	34	8, 11	53·7	40·6	47·0	+3·0	3	0·06	2	- 19	Balmoral	—	—	—	1	30	—	—	—	—
p Crieff	432	64	14th	35	11th	54·6	43·7	49·0	+1·7	2	0·23	6	- 17	Crathes	1·1	- 2·0	10	0	31	48·6	—	49·2	—
a Dundee	244	59	14th	37	11th	55·4	42·1	48·6	+1·4	3	0·23	6	- 10	Dundee	1·7	—	16	1	29	50·0	—	—	—
t Inchkeith (F. of Forth)	190	66	14th	43	11th	56·7	47·7	52·1	—	2	0·14	4	—	Inchkeith (F. of Forth)	2·5	—	23	0	35	—	—	—	—
p Edinburgh	441	68	14th	40	11th	56·1	44·4	50·1	+2·2	1	0·01	0·3	- 15	Edinburgh	3·1	- 0·3	28	0	31	—	—	—	—
a West Linton	769	61	14th	30	8th	55·3	38·1	46·5	+1·9	2	0·12	3	—	West Linton	—	—	—	3	23	—	—	—	—
a Marchmont	498	68	14th	38	12th	56·3	42·4	49·1	+2·4	4	0·17	4	- 18	Marchmont	2·1	- 0·7	19	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	63	14th	32	8th	57·9	43·9	50·7	—	3	0·78	20	—	Ford (Argyll)	—	—	—	0	34	51·6	—	53·1	—
t Renfrew	49	66	14th	31	8th	56·3	41·9	48·9	—	2	0·35	9	—	Renfrew	1·2	—	11	2	38	—	—	—	—
p Rothesay	200	60	14th	41	11th	54·4	46·0	50·1	+1·3	3	1·05	27	+ 2	Rothesay	1·6	—	15	0	36	50·4	—	52·0	0·0
a Kilmarnock	90	68	14th	37	8th	57·9	43·7	50·6	+3·1	2	0·67	17	- 3	Kilmarnock	2·3	—	21	—	—	50·2	—	52·2	—
a Colmonell	170	66	14th	33	8th	57·1	43·3	50·0	+1·2	2	0·91	23	- 2	Colmonell	—	—	—	1	27	—	—	—	—
p Dumfries	160	64	14th	35	8, 11	55·1	41·3	48·0	- 0·4	2	0·64	16	- 5	Dumfries	2·8	—	25	2	29	50·3	- 0·2	52·2	- 1·1
t Eskdalemuir	794	63	14th	30	11th	53·6	37·7	45·4	—	4	1·43	36	—	Eskdalemuir	3·0	—	28	2	27	—	—	—	—
b, I. OF MAN h Douglas	284	59	14th	39	8th	55·1	47·6	51·2	+1·4	2	0·19	5	- 21	Douglas	3·0	- 0·5	27	0	33	—	—	—	—
2. ENGLAND, N.E.																							
a North: p Cockle Par	324	65	14th	38	12th	54·7	41·0	47·7	+0·7	2	0·08	2	- 18	Cockle Park	2·5	- 0·8	23	2	29	48·0	- 0·8	50·5	- 0·3
a North: t Tynemouth	118	61	14th	41	12th	54·4	45·1	49·6	+0·7	5	0·18	5	- 13	Tynemouth	—	—	—	0	36	—	—	—	—
a North: p Durham	336	58	14th	37	12th	52·4	40·1	46·1	- 2·0	4	0·14	3	- 16	Durham	1·8	- 1·2	16	0	31	—	—	—	—
a North: p Rounton	249	61	14th	39	8th	55·3	41·9	48·4	+0·5	3	0·18	5	- 12	Rounton	—	—	—	5	27	51·0	—	—	—
a North: a West Witton	605	60	13th	36	14th	54·1	40·6	47·2	—	3	0·14	4	—	West Witton	—	—	—	1	30	49·0	—	50·9	—
a North: h Scarborough	118	62	14th	40	12th	57·0	45·4	51·0	+0·9	1	0·02	1	- 18	Scarborough †	3·6	+0·2	33	—	—	—	—	54·1	—
a North: p York	56	61	13, 14	36	12th	56·7	41·4	48·8	- 0·5	3	0·08	2	- 14	York	3·0	+0·1	27	—	—	52·0	- 0·8	53·8	- 0·5
b, South: t Spurn Head	26	60	14th	42	12th	56·6	46·0	51·1	+0·1	4	0·13	3	- 12	Spurn Head	3·9	—	36	—	—	—	—	—	—
b, South: a Lincoln	58	63	14th	36	12th	56·9	41·1	48·8	- 0·8	2	0·03	1	- 15	Lincoln	—	—	—	0	34	50·3	- 1·7	54·5	- 0·1
b, South: t Cranwell	237	61	14th	33	12, 14	55·7	38·1	46·6	- 3·1	2	0·12	3	- 12	Cranwell	3·7	+0·1	34	2	26	—	—	—	—
														Skegness	5·2	+1·3	48	—	—	—	—	—	—
3. ENGLAND, E.																							
a, North: a Cromer	196	65	14th	36	12th	57·6	45·0	51·1	- 0·1	3	0·02	1	- 16	Cromer	5·0	+1·2	46	—	—	—	—	—	—
a, North: a Little Massingham	277	63	14th	38	12th	56·7	42·7	49·5	+0·3	3	0·06	2	- 17	Lit Massingham	5·1	+1·6	47	—	—	—	—	—	—
a, North: t Yarmouth	13	58	13, 14	38	12th	55·7	46·7	51·1	- 0·1	2	0·02	1	- 17	Yarmouth	4·9	—	45	1	29	53·9	- 0·2	55·1	- 1·0
a, North: a Norwich	93	63	14th	33	12th	57·1	40·9	48·8	- 1·6	2	0·07	2	- 17	Norwich	5·3	—	48	1	28	50·3	—	—	—
a, North: a Geldeston	37	62	14th	32	12th	57·4	43·0	50·0	- 0·8	1	0·08	2	- 15	Geldeston	5·4	+1·5	49	—	—	—	—	—	—
q, South: p Cambridge	41	65	14th	31	11th	58·1	39·1	48·3	- 1·9	0	0·00	0	- 15	Cambridge	5·0	+1·2	46	2	25	52·5	- 1·0	55·7	- 0·4
q, South: t Clacton-on-Sea	54	58	9,12,14	41	11th	56·3	46·7	51·4	- 0·3	1	0·07	2	- 10	Clacton-on-Sea	5·3	+1·3	49	0	31	52·1	- 2·7	56·3	- 0·4
q, South: a Rothamsted	420	61	14th	32	11, 12	55·4	38·6	46·8	- 2·7	2	0·05	1	- 18	Rothamsted	5·5	+1·9	50	4	23	49·8	—	—	—
q, South: p Tottenham	51	64	14th	35	12th	57·4	40·9	48·9	—	1	0·02	1	—	Tottenham	4·6	—	42	—	—	—	—	—	—
														Southend	5·7	—	52	0	38	53·5	—	—	—
4. MIDLAND COUNTIES.																							
a, North: h Harrogate	479	61	12th	37	12, 14	54·4	40·1	47·0	- 1·1	4	0·17	4	- 17	Harrogate	2·2	- 0·9	21	1	29	49·6	- 1·2	51·6	- 0·4
a, North: p Sheffield	429	64	14th	39	12th	55·9	42·3	48·9	—	2	0·04	1	—	Sheffield	3·5	+0·6	32	0	32	49·9	- 1·6	52·6	- 0·6
a, North: p Buxton	987	60	14th	31	11th	53·4	37·7	45·3	- 1·2	2	0·07	2	- 29	Buxton	3·3	—	30	2	28	47·9	- 1·9	52·1	- 0·4
, East: a Worksop	56	65	14th	31	14th	57·7	38·0	47·6	- 1·7	2	0·04	1	- 16	Worksop	2·8	- 0·1	26	5	26	50·5	—	53·1	—
, East: t Nottingham	82	65	14th	31	14th	56·9	41·1	48·8	- 0·6	3	0·13	3	- 13	Nottingham	3·8	+0·9	35	0	31	48·1	- 3·1	52·8	- 1·5
, East: p Birmingham, Edgbsn	525	63	14th	34	11th	55·6	40·7	47·9	- 1·6	3	0·03	1	- 17	Birmingham	3·7	+1·3	34	2	19	48·1	- 2·5	51·7	- 0·6
, East: a Raunds	213	64	14th	35	12, 14	56·9	40·1	48·3	- 1·4	2	0·06	1	- 15	Raunds	4·5	—	41	2	28	51·9	—	—	—
, East: p Oxford	208	65	14th	31	11th	58·1	38·1	47·8	- 2·5	1	0·02	1	- 17	Oxford	5·7	+2·2	52	4	25	—	—	—	—
														Malvern	5·7	—	53	0	31	50·2	—	54·5	—
c, West: a Cheadle (N. Staffs.)	646	59	13, 14	33	11, 12	54·3	39·0	46·4	- 1·8	1	0·01	0·2	- 21	Cheadle	—	—	—	1	30	—	—	—	—
c, West: p Tenbury	313	61	13, 14	30	8th	57·4	35·7	46·2	- 2·9	3	0·04	1	- 16	Tenbury	—	—	—	5	26	50·5	—	—	—
c, West: a Hereford	291	62	13th	29	8th	56·3	37·7	46·7	- 2·8	0	0·00	0	- 19	Ross on Wye	5·4	—	49	3	28	50·7	—	55·1	—
c, West: a Clifton	225	62	14th	36	11th	56·4	43·6	49·8	- 1·4	0	0·00	0·1	- 24	Clifton	5·2	—	48	—	—	—	—	—	—
														Worthing	6·3	+2·1	57	0	35	53·1	- 1·9	56·8	—
5. ENGLAND, S.E.														Marlborough	4·6	+1·4	42	2	27	50·7	—	54·8	—
a Marlborough	424	63	14th	26	11th	56·1	36·3	45·9	- 2·8	2	0·05	1	- 18	Porton	6·3	—	58	2	25	50·7	—	—	—
a Porton	363	63	14th	26	11th	57·0	38·6	47·5	—	0	0·00	0	—	Wisley, Surrey	5·5	+2·0	50	5	24	50·3	- 3·2	54·9	- 0·6
a Wisley, Surrey	150	64	14th	31	12th	57·3	38·1	47·4	- 2·6	1	0·02	1	- 16	Tunbridge Wells	6·4	+2·6	58	3	25	53·3	—	56·3	—
h Tunbridge Wells	354	62	14th	35	11th	58·0	41·1	49·3	- 1·5	1	0·03	1	- 20	Margate	5·2	+1·5	48	—	—	53·6	1·0	57·5	+0·6
h Margate	51	60	12th	41	13th	56·0	47·1	51·4	- 1·2	0	0·00	0	- 16										
t Dungeness	21	64	14th	32	12th	57·7	46·9	52·1	- 0·4	1	0·05	1	- 18	Folkestone	5·9	—	53	0	35	—	—	57·5	—
h St. Leonards	178	59	12, 14	42	11th	56·7	46·4	51·4	- 1·2	1	0·12	3	- 18	St. Leonards	6·0	+1·9	55	0	33	54·4	—	57·5	—
p Southampton	64	63	14th	34	11th	58·3	43·6	50·7	- 1·6	0	0·00	0	- 22	Southampton	6·7	+2·9	61	1	27	—	—	—	—
a Ventnor	59	61	12th	41	11th	58·6	47·7	53·0	- 1·1	0	0·00	0	- 22	Ventnor	7·2	+3·2	65	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	64	14th	34	12th	57·4	41·8	49·4	- 1·3	1	0·01	0·3	- 15	Richmond	6·2	+3·0	57	3	27	51·3	- 1·8	55·2	- 0·5
a Westminster	27	66	14th	37	12th	59·4	44·4	51·7	- 0·3	1	0·04	1	- 12	Westminster	5·4	+3·0	50	—	—	—	—	—	—
ae Greenwich	149	64	14th	35	12th	58·6	41·4	49·9	- 1·2	1	0·02	1	- 13	Greenwich	5·6	+2·2	51	3	23	—	—	—	—
a Hampstead	450	61	13, 14	40	11, 12	56·4	42·7	49·4	—	1	0·02	1	—	Hampstead	6·0	—	55	2	27	—	—	—	—
a Camden Square	110	65	14th	35	12th	59·3	41·4	50·1	- 1·4	1	0·03	1	- 14	Camden Square	—	—	—	0	33	51·6	—	54·7	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	61	14th	35	11th	54·7	42·3	48·3	- 0·1	2	0·11	3	- 21	Aspatria	3·6	+0·1	33	0	31	49·8	- 0·1	51·7	- 0·6
p Newton Rigg	559	68	14th	32	11th	56·7	41·6	48·9	+1·4	2	0·03	1	- 21	Newton Rigg	3·2	+0·3	30	1	29	—	—	—	—
p Stonyhurst	375	62	14th	36	8th	55·3	42·3	48·6	0·0	2	0·04	1	- 25	Stonyhurst	3·6	+0·8	33	0	31	—	—	—	—
h Blackpool	66	62	14th	34	8th	56·4	42·9	49·5	- 0·5	2	0·05	1	- 20	Blackpool	4·0	+0·6	36	2	24	51·8	—	53·5	—
h Southport	37	63	14th	34	8th	56·0	42·0	48·8	- 1·2	1	0·03	1	- 19	Southport	3·8	+0·6	35	2	27	49·4	- 2·1	54·2	- 0·5
														Hoylake	4·1	+1·0	38	—	—	—	—	—	—
t Liverpool (Bidston)	188	59	13, 14	40	11, 12	55·0	43·3	49·0	- 1·3	1	0·04	1	- 18	Liverpool	3·4	—	31	0	33	—	—	—	—
a Hawarden Bridge	22	62	13th	37	8th	56·6	43·1	49·7	- 1·1	1	0·11	3	- 14	Manchester City	2·7	+0·4	24	0	36	49·7	- 2·4	54·5	- 1·2
p Manchester (Whit. Pk.)	125	67	14th	35	8th	57·6	42·0	49·6	- 1·0	1	0·01	0·2	- 19	„ Whit. Pk.	3·4	+1·2	31	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	70	14th	32	8th	58·7	41·6	49·9	- 1·9	1	0·03	1	- 19	Llandudno	4·2	+0·7	38	—	—	—	—	—	—
t Holyhead	15	64	13th	44	8th	57·0	48·3	52·5	+0·6	2	0·39	10	- 18	Holyhead	3·7	—	34	0	34	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	68	14th	36	8th	58·4	43·9	50·9	—	0	0·00	0	Aberystwyth	4·2	+0·6	39	—	—	—	—	—	—
a Rhayader	757	61	14th	21	8th	54·3	36·6	45·2	—	2	0·04	1	Rhayader ..	4·5	—	41	6	19	—	—	—	—
t Pembroke	149	60	13th	42	8th	56·7	48·9	52·7	+0·2	2	0·11	3	- 21	Pembroke ..	4·5	+1·1	41	—	—	—	—	—	—
p Cardiff	202	63	13th	37	11th	56·1	42·6	49·2	- 1·2	0	0·00	0	- 28	Cardiff ..	4·7	—	43	0	32	52·3	- 1·3	55·6	- 0·1
b, ENGLAND, S.W.																						
h Bath	66	64	14th	33	11th	57·7	41·3	49·3	- 1·2	0	0·00	0	- 19	Bath	5·6	+2·1	51	—	—	54·1	—	57·3	—
a Shaftesbury	722	60	14th	32	11th	54·7	42·0	48·2	- 1·6	1	0·01	0·2	- 23	Shaftesbury ..	—	—	—	—	—	52·2	—	55·4	—
a Arlington	613	63	14th	40	10th	55·4	44·7	49·9	- 0·1	3	0·10	3	- 34										
h Newquay	190	63	14th	37	10th	57·1	46·1	51·4	- 1·8	0	0·00	0·1	- 23	Newquay ..	5·3	+1·5	48	—	—	54·1	—	56·3	—
a Cullompton	202	64	14th	33	12th	58·7	40·3	49·2	- 1·2	0	0·00	0	- 24	Cullompton ..	5·5	+2·4	50	2	29	53·0	—	—	—
t Portland Bill	19	59	12, 14	43	8th	57·4	48·3	52·7	- 0·8	1	0·01	0·2	- 22	Weymouth ..	7·3	—	66	—	—	—	—	—	—
p Plymouth	116	63	13th	41	11th	60·1	47·1	53·4	+1·0	0	0·00	0	- 23	Plymouth ..	6·6	+2·9	60	0	37	53·1	- 1·7	56·	—
h Falmouth	167	62	13th	40	8th	59·0	46·3	52·5	- 0·2	0	0·00	0	- 29	Falmouth ..	6·0	+2·1	54	0	33	55·3	—	58·2	—
9. IRELAND, N.																						
t Malin Head	71	66	14th	38	9th	57·4	45·6	51·3	+1·5	3	0·33	8	- 9	Malin Head ..	4·3	—	40	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	65	14th	39	9th	57·3	45·6	51·3	—	3	0·93	23	—	Mallarany ..	2·5	—	23	1	30	—	—	—	—
p Markree Castle.. ..	122	67	14th	29	9th	57·7	39·0	48·1	0·0	3	1·03	26	+ 2	Markree Castle	3·2	+0·4	29	4	25	51·7	- 1·8	53·6	- 1·1
b, East .. *p* Armagh	204	65	14th	30	9th	56·1	42·4	49·1	+0·8	4	0·38	10	- 6	Armagh ..	3·2	+0·4	30	2	26	51·5	- 1·3	53·3	- 0·8
t Donaghadee	35	60	14th	42	8th	56·0	47·9	51·8	+2·1	2	0·45	11	- 6										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	32	51·9	- 1·8	54·1	- 0·6
p Dublin City	54	62	14th	37	9th	55·9	44·7	50·1	- 0·5	1	0·13	3	- 13	Phœnix Park	3·4	0·0	32	2	28	—	—	—	—
t Birr Castle	175	67	14th	33	8, 9, 10	58·0	41·4	49·5	+1·1	2	0·20	5	- 12	Dublin City ..	—	—	—	0	33	—	—	—	—
a, East .. *a* Kilkenny ..	195	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	4	27	—	—	—	—
a Waterford	137	—	—	—	—	—	—	—	—	—	—	—	—										
p Seskin, Carrick-on-Suir	542	62	14th	39	8th	57·1	44·9	50·8	—	2	0·35	9	—	Seskin ..	3·9	—	36	3	30	—	—	—	—
a Foynes	50	65	14th	34	8th	59·1	43·6	51·1	+0·5	1	0·09	2	- 20										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3·3	0·0	30	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	61	10th	37	11th	58·9	47·9	53·2	- 1·2	0	0·00	0	- 21	Scilly	6·0	+1·8	54	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	66	13th	44	10th	59·9	48·9	54·2	- 0·4	1	0·08	2	- 23	St. Heliers ..	4·9	+0·5	45	—	—	—	—	—	—
p Guernsey† ..	173	64	13th	43	12th	58·6	49·6	54·0	- 0·7	2	0·20	5	- 21	Guernsey ..	5·2	+0·6	47	0	38	54·1	- 2·9	58·3	- 0·7

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 14th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	d. hr.	m.p.h	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	11, 12	7	59	75	27	0	160	26	12	11 23	—	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	96	72	0	130	11	5	11 11	21	9	11 11 0
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	5	118	45	0	210	15	7	14 13	† 29	13	13 13 45
Edinburgh	485	39	31	—	0	—	0	28	85	55	0	180	24	11	12 12	39	17	12 20 55
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	12	2	16	69	81	0	200	25	11	12 16	37	17	12 18 35
Paisley	188	81	15	—	0	—	0	16	67	85	0	200	17	7	12 21	41	18	12 19 35
2. ENGLAND, N.E.																
South Shields	72	61	12	—	0	—	0	24	118	26	0	190	20	9	13 15	31	14	13 15 10
Spurn Head	67	41	‡	—	0	—	0	77	82	9	0	140	21	9	13 19	30	14	10 5 25
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	10	2	79	76	11	0	90	25	11	10 6	34	15	10 6 10
Shoeburyness	103	90	‡			* Instrument	under	repair.								
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	37	99	32	0	160	20	9	13 12	31	14	13 12 10
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	34	116	18	0	—	16	7	13 9	30	13	13 8 20
Larkhill, S'y Plain ..	513	63	43	—	0	13	1	81	60	0	26	170	25	11	13 10	32	14	13 10 0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	4	95	69	0	170	15	7	13 12	27	12	13 11 55
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	3	117	48	0	130	14	6	13 11	27	12	13 10 30
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	44	118	6	0	150	19	9	12 12	—	—	— — —
Southport	80	62	48	—	0	—	0	54	100	14	0	150	20	9	13 11	32	14	13 12 30
7. *b*. NORTH WALES.																
Holyhead	60	40	‡	—	0	—	0	61	78	29	0	160 / 170	22	10	12 7 / 11	41	18	12 11 35
8. *b*. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	—	0	12, 13, 14	23	68	48	29	0	80	31	14	14 18	40	18	14 18 30
Plymouth	185	88	2	—	0	—	0	58	66	10	34	—	24	11	14 11	40	18	14 10 5
Lyme Regis	554	59	‡			Defective Records.										
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	13	1	52	85	30	0	170	27	12	13 5	—	—	— — —
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	— — —
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	14	1	12 to 14	34	42	65	22	4	100	39	17	14 11	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "23ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1 (*Vide* Guide to Tables of the W.W.R.) * Above tops of trees ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory. † Gust from Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIRST WEEK of 1922—October 8th to October 14th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	62	33	54·9	44·9	49·8	+2·8	55	+13	0	− 5	4	− 1	0·53	13	− 16	2·9	+0·3	27	1017
Eastern.																			
1. SCOTLAND, EAST ..	68	30	55·4	43·8	49·5	+2·3	53	+ 6	0	− 6	3	− 1	0·13	3	− 17	1·9	− 1·1	17	1020
2. ENGLAND, N.E. ..	65	33	55·5	42·2	48.7	− 0·8	47	− 8	0	− 2	3	− 1	0·11	3	− 15	3 3	0·0	30	1022
3. ENGLAND, EAST ..	65	31	56·9	42·6	49·5	− 1·2	53	− 12	0	− 3	2	− 2	0·04	1	− 15	5·1	+1·4	47	1022
4. MIDLAND COUNTIES	65	29	56·4	39·4	47·7	− 1·7	47	− 11	7	+2	2	− 2	0·05	1	− 18	4·0	+0·9	40	1022
5. ENGLAND, S.E. ..	64	26	57·3	42·8	49·8	− 2·0	55	− 17	0	− 3	1	− 3	0·03	1	− 18	6·0	+2·3	55	1021
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	68	31*	56·3	44·0	49·9	+1·2	55	+ 3	0	− 3	2	− 2	0·66	17	− 10	—	—	—	1021
7. ENGLAND, N.W. (*and North Wales*)	70	32	56·4	43·0	49·5	− 0·7	53	− 6	0	− 1	1	− 3	0·09	2	− 20	3·8	+0·8	35	1020
8. ENGLAND, S.W. (*and South Wales*)	64	28	57·0	43·8	50·2	− 1·2	57	− 11	0	− 1	1	− 3	0·03	1	− 26	5·3	+1·9	48	1020
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·2	+0·4	29	1018
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	66	37	59·1	48·8	53·8	− 0·9	83	− 6	0	0	1	− 4	0·09	2	− 21	5·4	+1·0	49	1019
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, September 3rd to October 14th, 1922.

0. SCOTLAND, NORTH ..	68	31	56·1	44·5	50·0	− 0·5	340	− 29	5	− 4	27	− 1	4·33	109	− 38	3·1	− 0·1	25	1014
Eastern.																			
1. SCOTLAND, EAST ..	70	23	57·1	43·5	50·1	− 0·8	342	− 51	4	− 8	25	+ 3	3·14	79	− 9	3·1	− 0·6	25	1015
2. ENGLAND, N.E. ..	69	32	58·7	46·3	52·2	− 0·8	430	− 39	0	− 3	20	0	2·99	75	+ 3	3·1	− 1·1	26	1017
3. ENGLAND, EAST ..	72	31	60 7	47·6	53·9	− 0·6	499	− 34	0	− 4	19	0	2·81	71	− 2	4·3	− 0·4	36	1017
4. MIDLAND COUNTIES	72	29	60·1	45·6	52·6	− 0·7	452	− 35	7	− 3	17	− 2	2·45	62	− 14	3·3	− 0·8	27	1017
5. ENGLAND, S.E. ..	73	26	61·3	48·4	54·5	− 1·1	527	− 46	0	− 4	16	− 3	2·75	70	− 15	4 4	− 0·5	36	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	30	58·5	45·0	51·5	− 0·6	398	− 36	0	− 5	24	+ 2	4·72	121	− 16	—	—	—	1016
7. ENGLAND, N.W. (*and North Wales*)	70	32	58·7	46·7	52·4	− 1·2	439	− 50	0	− 2	20	− 2	3·44	87	− 19	3·4	− 0·6	28	1016
8. ENGLAND, S.W. (*and South Wales*)	71	28	60·1	48·4	54·0	− 0·8	503	− 38	0	− 2	17	− 5	3·68	94	− 21	4·0	− 0·5	33	1017
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·9	− 0·6	24	1015
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	37	61·1	52·3	56·5	− 1·4	610	− 59	0	0	15	− 7	3·13	79	− 21	4·4	− 1·1	36	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 41 Weeks, January 1st to October 14th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·4	40·5	45·7	− 1·0	1560	−351	494	− 54	195	+ 6	33·53	852	− 87	3·6	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52 4	39·6	45·7	− 1·5	1695	−436	631	+ 2	171	+11	22·74	579	− 10	3·8	− 0·4	29	1010
2. ENGLAND, N.E. ..	84	12	54·9	41·9	48·1	− 0·7	2262	−184	509	+34	147	+ 3	20·54	522	+48	4·3	− 0·3	33	1012
3. ENGLAND, EAST ..	89	16	56·5	43·0	49·5	− 0·5	2573	−234	431	− 67	147	+ 8	20·83	529	+77	4·9	− 0·1	37	1013
4. MIDLAND COUNTIES	86	11	56·3	41·6	48·6	− 1·0	2395	−328	503	− 29	149	+11	24·62	626	+121	4·1	− 0·3	31	1013
5. ENGLAND, S.E. ..	88	17	57·3	44·0	50·3	− 0·7	2712	−272	318	− 65	147	+12	22·26	566	+72	5 0	− 0 2	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·9	41·3	47·3	− 1·3	1972	−365	448	+27	173	+ 6	34·94	891	+24	—	—	—	1011
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·4	42·9	48·4	− 1·1	2193	−358	360	− 24	154	+ 2	25·95	660	+ 4	4·4	− 0·1	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	56·1	44·0	49·8	− 0·9	2502	−309	268	− 35	158	+ 7	29·25	747	+46	4·7	− 0·2	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·8	− 0·2	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·3	48·0	52·5	− 0·5	3055	−204	50	− 55	156	+ 1	25·30	644	+73	5·3	− 0·6	40	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
20th October, 1922.

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METEOROLOGICAL OFFICE 28 OCT 1922 165 C LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) | No. 42.

FORTY-SECOND WEEK.

SUNDAY, OCTOBER 15TH, TO SATURDAY, OCTOBER 21ST, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week anticyclonic conditions prevailed over the British Isles generally and the weather was fair and dry. At a few stations moderate falls of rain occurred during the latter part of the week, and hail was reported at Lincoln and West Witton (N. Riding), but the total fall for the week was considerably less than the normal in all districts, in fact at a large number of stations the week was rainless. Mist or fog was reported in several places Strong easterly or north-easterly winds were experienced in all parts of England with gales in the English Channel. The highest temperatures occurred generally on the first or second days of the week when a few stations registered readings of 65°F. and above, the actual highest being 70°F. at Gordon Castle (Elgin) on the 15th. Towards the end of the week there was a decided drop in the day temperatures and at a number of stations the maxima on the 20th failed to rise above 45°F., while at West Linton (Peebles) it did not exceed 40°F. The screen minimum temperatures, which varied a good deal, were in some instances rather low, a few stations registering readings below 32°F., the lowest being 24°F. at Balmoral on the 16th. Ground frosts occurred in most places; the lowest readings of the grass thermometer were 21°F. at Rhayader (Radnor) and 22°F. at Balmoral and West Linton. The mean temperature for the week did not differ much from the normal in most districts, the largest divergence being –2·5°F. in England, S.E. On the first two days of the week a large number of stations recorded between 9 and 10 hours sunshine. Amongst the largest amounts were 10·1 hours at Aspatria, 10·0 hours at Aberystwyth, 9·9 hours at Guernsey and Shoeburyness and 9·8 hours at Oxford and Southend on the 15th. The mean amount of sunshine for the week was in excess of the normal in all districts. The departure of the mean duration from the normal for the week ranged from +4·2 hours at Aberystwyth to –0·8 hours at Sheffield. The Zodiacal Light was witnessed at Ross-on-Wye on the 17th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	21	8	3·7	10	3	1·2	12	5	2·1	1	2	0·8	2	2	1·1	13	9	3·9	9	7	3·3	—	—	—
North	4	12	5·3	11	12	5·4	9	10	4·4	21	7	3·0	14	9	4·0	9	5	2·3	12	12	5·2	—	—	—
West	4	9	3·9	0	—	—	1	2	0·8	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—
East	21	8	3·5	25	9	3·9	27	21	9·3	27	12	5·2	26	24	10·0	24	29	12·9	28	20	9·1	—	—	—
Calm (or wind-speed < 4 m.p.h.)	3	—	—	3	—	—	0	—	—	1	—	—	2	—	—	0	—	—	0	—	—	—	—	—
No record ..	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	4	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.													
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W (*and I. of Man*).	**7.** England N.W (*and N. Wales*)	**8.** England, S.W (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ., Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	—	—	Moderate
Rainfall ..	Very Light	Light	Light	Light	Light	Light	Nought	Very Light	Nought	—	—	Very Light
Sunshine ..	Very Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	—	Very Abundant	Very Abundant	Very Abundant	—	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 7 weeks from Sept. 3rd, 1922. Warmth ..	1, 4, 2	1, 4, 2	1, 5, 1	1, 5, 1	1, 5, 1	1, 2, 4	1, 4, 2	1, 5, 1	1, 4, 2	—	—	1, 5, 1
Rainfall ..	0, 4, 3	1, 3, 3	2, 1, 4	2, 1, 4	2, 1, 4	1, 3, 3	1, 4, 2	1, 2, 4	1, 3, 3	—	—	1, 1, 5
Sunshine ..	4, 1, 2	2, 2, 3	1, 2, 4	2, 2, 3	2, 2, 3	2, 3, 2	—	2, 2, 3	2, 2, 3	1, 3, 3	—	2, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	1 °	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.
SCOTLAND, N.																						
t Lerwick	54	53	18, 19	39	21st	50·0	42·7	46·2	+0·1	3	0·04	1	- 19									
p Deerness, Orkney ..	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—
a Islands *i* Stornoway	51	64	15th	30	16th	54·6	36·1	45·1	- 1·4	2	0·02	1	- 25	Stornoway ..	5·4	+2·7	53	—	—	—	—	—
t Castlebay, Barra I. ..	37	61	16th	45	20, 21	55·0	49·4	52·1	—	0	0·00	0	—	Castlebay ..	7·5	—	74	—	—	—	—	—
t Wick	81	56	15th	44	20, 21	51·1	47·0	49·0	+2·6	1	0·12	3	- 12									
a Strathpeffer	125	—	—	—	—	—	—	—	—	—	—	—	—									
b, Main- *h* Achnashellach	225	68	15th	36	19th	55·3	42·3	48·6	—	1	0·01	0·2	—	Achnashellach	—	—	—	0	33	—	—	—
land. *h* Inverness	242	58	15th	34	19th	50·9	39·6	45·1	—	2	0·14	4	—	Inverness ...	4·3	—	42	3	27	—	—	—
a Fort Augustus	66	55	15, 17, 18	34	16th	52·0	41·7	46.7	+0·3	1	0·04	1	- 19									
p Fort William	171	67	15th	39	20th	56·4	41·3	48·6	+1·3	1	0·02	1	- 34									
1. SCOTLAND, E.																						
t Nairn	82	55	15th	32	16th	50·6	39·1	44·7	- 1·0	2	0·05	1	- 12	Nairn ..	4·2	—	41	—	—	—	—	—
p Gordon Castle	101	70	15th	33	19th	55·4	38·9	46·9	+0·1	2	0·08	2	- 15	Gordon Castle	4·4	—	44	—	—	—	—	—
i Aberdeen	46	60	15th	43	15th	53·0	45·4	49·1	+2·1	2	0·04	1	- 15	Aberdeen ..	3·3	+0·4	32	0	33	—	—	50·3	+0·2
a Balmoral	930	65	15th	24	16th	52·3	32·7	42·2	- 1·0	3	0·10	3	- 17	Balmoral ..	—	—	—	2	22	—	—	—	—
p Crieff	432	61	15th	36	21st	52·0	40·9	46·3	- 0·2	1	0·01	0·3	- 22	Crathes ..	4·2	+1·4	41	0	32	46·9	—	48·8	—
a Dundee	244	62	15th	38	15th	53·4	41·3	47·2	+0·8	3	0·05	1	- 14	Dundee ..	3·5	—	35	0	31	48·9	—	—	—
														Inchkeith (F. of Forth)	4·3	—	42	0	37	—	—	—	—
t Inchkeith (F. of Forth)	190	56	15th	44	20, 21	52·4	46·0	49·1	—	2	0·08	2	—	Edinburgh ..	4·3	+1·3	42	1	29	—	—	—	—
p Edinburgh	441	58	15th	41	16th	51·0	42·4	46·6	- 0·5	2	0·26	7	- 7	West Linton ..	—	—	—	4	22	—	—	—	—
a West Linton	769	62	15th	27	15th	51·0	35·4	43·0	- 0·8	5	0·37	9	—	Marchmont ..	3·7	+1·2	37	—	—	—	—	—	—
a Marchmont	498	66	15th	40	15th	52·0	42·6	47·2	+1·3	5	0·79	20	- 1									
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	61	16th	34	21st	55·1	41·6	48·2	—	0	0·00	0	—	Ford (Argyll)	—	—	—	1	29	50·0	—	52·3	—
t Renfrew	49	61	15th	31	15th	53·7	41·6	47·5	—	0	0·00	0	—	Renfrew ..	3·9	—	38	2	27	—	—	—	—
p Rothesay	200	59	15th	41	21st	52·7	44·1	48·3	+0·3	0	0·00	0	- 24	Rothesay ..	5·1	—	50	0	37	48·7	—	51·4	+0·2
a Kilmarnock	90	68	15th	35	19th	55·9	40·0	47·7	+1·0	0	0·00	0	- 19	Kilmarnock ..	5·1	—	50	—	—	48·0	—	51·5	—
a Colmonell	170	66	16th	38	17th	57·6	40·7	48·9	+0·9	1	0·01	0·3	- 24	Colmonell ..	—	—	—	0	32	—	—	—	—
p Dumfries	160	66	15th	37	15th	54·9	40·4	47·4	- 0·2	2	0·03	1	- 19	Dumfries ..	5·7	—	56	1	28	48·4	- 0·3	51·3	- 0.9
t Eskdalemuir	794	65	15th	34	15, 16	51·9	38·4	45·0	—	3	0·16	4	—	Eskdalemuir	4·6	—	45	1	27	—	—	—	—
b, I. OF MAN *h* Douglas	284	60	15th	44	20, 21	55·0	47·1	50·9	+1·9	0	0·00	0	- 25	Douglas ..	6·4	+3.4	63	0	40	—	—	—	—
2. ENGLAND, N.E.																						
p Cockle Par	324	59	15th	36	15th	53·3	41·9	47·4	+1·4	5	0·25	6	- 14	Cockle Park ..	3 9	+0·9	37	2	23	47·1	+0·2	49·6	- 0·4
i Tynemouth	118	54	15, 18	42	15th	52·1	45·4	48·7	+0·8	3	0·09	2	- 16	Tynemouth ..	—	—	—	0	36	—	—	—	—
p Durham	336	59	17th	33	15th	53·1	41·1	46·9	- 0·1	5	0·24	6	- 13	Durham ..	3·7	+1·1	36	1	30	—	—	—	—
a North ..- *p* Rounton	249	58	16th	35	15th	51·9	39·6	45·6	- 1·2	6	0·28	7	- 10	Rounton ..	—	—	—	3	24	49·1	—	—	—
a West Witton	605	54	16, 17	31	15th	49·4	39·7	44·4	—	4	0·24	6	—	West Witton ..	—	—	—	1	25	46·1	—	49·9	—
h Scarborough	118	59	15, 16	45	15th	54·0	47·6	50·7	+1·7	1	0·02	1	- 18	Scarborough †	4·2	+1·3	41	—	—	—	—	52·9	—
p York	56	61	16th	40	16th	54·7	43·3	48·8	+0·6	4	0·17	4	- 12	York ..	4·4	+1·9	42	—	—	50 6	- 0 6	52·9	- 0·5
t Spurn Head	26	58	16th	43	18, 20	53·4	46·3	49·8	- 0·1	5	0·37	9	- 6	Spurn Head ..	4·2	—	40	—	—	—	—	—	—
b, South .. *a* Lincoln	58	63	15th	40	15th	56·0	43·6	49·6	+1·4	4	0·35	9	- 6	Lincoln ..	—	—	—	0	37	48·7	- 1·3	53·2	- 0·4
t Cranwell	237	61	15th	37	20, 21	53·3	41·1	47·0	- 1·4	5	0·54	14	- 1	Cranwell ..	4·7	+1·5	44	0	33	—	—	—	—
														Skegness ..	4·7	+1·3	45	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	62	15th	42	20, 21	54·7	45·7	50·1	+0·2	6	0·22	6	- 9	Cromer ..	5·0	+1·7	48	—	—	—	—	—	—
a Little Massingham ..	277	60	15, 16	39	21st	54·1	41·3	47.5	- 0·4	5	0 54	14	- 3	Lit Massingham	5·4	+2·4	51	—	—	—	—	—	—
a, North .. *t* Yarmouth	13	58	15, 16	41	20th	53 0	48·4	50·6	+0·7	3	0·39	10	- 7	Yarmouth ..	6·0	—	57	0	40	52·0	- 0·2	54·1	- 0·9
a Norwich	93	63	15th	38	15th	55·3	42·7	48·8	- 0·3	3	0·60	15	- 3	Norwich ..	5·5	—	53	0	31	47·5	—	—	—
a Geldeston	37	61	15th	33	15th	54·4	43·6	48·8	- 0·7	3	0·44	11	- 5	Geldeston ..	5 9	+2·5	56	—	—	—	—	—	—
p Cambridge	41	64	16th	38	15th	56·0	41·3	48·4	- 0·5	2	0.12	3	- 11	Cambridge ..	6.0	+2·8	57	0	31	49·9	- 1·8	54·1	- 1·0
t Clacton-on-Sea ..	54	58	16th	39	21st	52 7	47·9	50 2	- 0·2	5	0·44	11	0	Clacton-on-Sea	5·1	+1·7	49	0	35	51·3	- 1·9	55·5	- 0·3
q, South .... *a* Rothamsted	420	60	15, 16	36	15th	53·0	40·0	46·3	- 1·9	4	0·17	4	- 14	Rothamsted ..	6·1	+2·9	58	1	28	48·0	—	—	—
p Tottenham	51	61	15, 16	36	15th	54·3	42·1	48·0	—	3	0·60	15	—	Tottenham ..	5·6	—	53	—	—	—	—	—	—
														Southend ..	5·9	—	56	0	36	52·4	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	57	16th	33	15th	51·1	40·1	45·4	- 1·4	5	0·06	1	- 18	Harrogate ..	3 6	+0·7	35	0	32	47 9	- 1·4	50·2	- 0·8
a, North .. *p* Sheffield	429	60	16th	34	15th	51·3	42·0	46·5	—	5	0·46	12	—	Sheffield ..	1·9	- 0·8	19	1	30	47·9	- 2·0	51·1	- 1·4
p Buxton	987	57	15, 16	31	15th	49·7	39·7	44·6	- 0·7	5	0·46	12	- 16	Buxton ..	3·2	—	31	0	31	46·1	- 1·9	50·9	- 0·8
a Worksop	56	63	16th	31	15th	54·1	40·6	47·2	- 0·8	5	0·38	10	- 5	Worksop ..	2·9	+0·3	28	1	25	49·3	—	51·7	—
t Nottingham	82	61	16th	33	15th	53·9	42·3	47 9	- 0·2	4	0·25	6	- 8	Nottingham ..	4·7	+2·0	45	1	30	46·4	- 2·8	51·1	- 2·1
, East .. *p* Birmingham, Edgbsn...	525	60	15, 16	38	15, 21	53·6	41·0	47·1	- 1·1	1	0·05	1	- 15	Birmingham	4·8	+2·5	45	1	30	47·0	- 2·2	50·9	- 0·9
a Raunds	213	63	16th	35	15th	55 4	40·4	47·7	- 0·7	2	0·29	7	- 7	Raunds ..	5·8	—	55	0	33	49·1	—	—	—
p Oxford	208	65	15th	32	15th	56·0	39·3	47·4	- 1·6	2	0·13	3	- 13	Oxford ..	6·2	+3·0	59	2	24	—	—	—	—
														Malvern.. ..	6·0	—	57	0	32	47·5	—	52·7	—
a Cheadle (N. Staffs.) ..	646	59	16th	37	15th	52 0	41·4	46·5	- 0·4	3	0·11	3	- 15	Cheadle	—	—	—	0	33	—	—	—	—
c, West .. *p* Tenbury	313	61	15, 16	30	15th	54·1	37·3	45·5	- 2·3	1	0·01	0·3	- 15	Tenbury ..	—	—	—	4	26	48·2	—	—	—
a Hereford	291	59	15, 16	29	15th	53·9	37·1	45·3	- 2·9	0	0·00	0	- 17	Ross on Wye	5·5	—	52	3	26	47·9	—	53·4	—
a Clifton	225	63	15th	37	21st	54·0	41·0	47·3	- 2·6	0	0·00	0·1	- 21	Clifton ..	5·8	—	55	0	32	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	61	15th	32	15th	54·1	38·4	46·0	- 1·6	2	0·06	1	- 18	Worthing ..	5·7	+1·9	54	0	38	50 0	- 3·2	55·1	- 1·2
a Porton	363	62	15th	34	18, 21	54·3	37·9	45·9	—	1	0·02	1	—	Marlborough	4 5	+1·6	43	1	29	48·7	—	53·5	—
a Wisley, Surrey ..	150	63	15th	32	15th	54.6	39·9	47·0	- 1·9	4	0·24	6	- 11	Porton.. ..	6·3	—	60	1	30	47·2	—	—	—
h Tunbridge Wells ..	354	62	15th	37	21st	53·9	42·4	48·0	- 1·7	2	0·24	6	- 14	Wisley, Surrey	5·7	+2·5	54	4	25	48·2	- 3·5	53·0	- 1·5
h Margate..	51	56	15, 16	43	20th	52·1	46·3	49·1	- 2·4	2	0·22	5	- 11	Tunbridge Wells	5·4	+1·9	51	1	28	51·6	—	55·0	—
														Margate ..	4·0	+0·7	38	—	—	51·6	- 1·2	56·1	+0·3
t Dungeness	21	58	16th	40	21st	53·0	46·4	49·6	- 1·8	3	0·20	5	- 14	Folkestone ..	4·2	—	40	0	38	—	—	56·4	—
h St. Leonards	178	58	15th	40	20, 21	52·6	45·3	48·8	- 2·7	2	0·17	4	- 16	St. Leonards..	4 6	+0·9	44	0	35	51·7	—	56·0	—
p Southampton	64	65	15th	37	21st	56·1	42·3	49·0	- 2·2	1	0·03	1	- 20	Southampton	6·7	+3·3	64	0	32	—	—	—	—
a Ventnor	59	59	15, 16	39	20th	54·6	46·6	50·5	- 2·5	1	0·03	1	- 20	Ventnor ..	5·0	+1·3	47	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	59	15, 16	39	21st	53·5	43·7	48·5	- 1·1	4	0·19	5	- 9	Richmond	4·4	+1·5	42	2	25	48·6	- 2·7	53·6	- 0·9
a Westminster	27	61	15, 16	41	20, 21	55·1	45·3	50·1	- 0·8	4	0·24	6	- 7	Westminster	4·6	+2·4	44	—	—	—	—	—	—
ae Greenwich	149	59	15, 16	37	15th	54·3	42·3	48·1	- 1·8	4	0·28	7	- 7	Greenwich ..	5·3	+2·2	50	1	28	—	—	—	—
a Hampstead	450	59	15th	38	20, 21	51·4	41·6	46·4	—	4	0·29	7	—	Hampstead ..	5·5	—	52	0	31	—	—	—	—
a Camden Square ..	110	63	16th	39	15, 21	56·1	43·0	49·4	- 0·9	5	0·28	7	- 7	Camden Square	—	—	—	0	32	48·0	—	53·2	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate) ..	487	68	15th	36	20th	54·6	40·1	47·1	- 0·2	2	0·04	1	- 23	Aspatria	6·3	+3·2	61	0	33	48·0	- 0·4	50·7	- 0·7
p Newton Rigg	559	66	15th	34	15 th	55·7	38·7	47·0	+0·6	0	0·00	0	- 22	Newton Rigg	5·1	+2·5	50	1	26	—	—	—	—
p Stonyhurst	375	59	15th	41	15th	53·1	44.1	48·5	+1·0	4	0·05	1	- 25	Stonyhurst ..	5·2	+2·6	50	0	36	—	—	—	—
h Blackpool	66	64	15th	41	16th	55 9	43·3	49·4	+0·5	0	0·00	0	- 21	Blackpool ..	6·6	+3·6	64	1	30	50 2	—	52·6	—
h Southport	37	65	15th	42	15, 16, 19, 20	55·9	43·0	49 3	+0 4	1	0·01	0·3	- 20	Southport ..	6·4	+3·5	62	0	31	46·7	- 2·6	52·1	- 1·2
														Hoylake ..	4·7	+1·9	46	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	61	16th	41	20, 21	54·4	43·1	48·6	- 0·6	0	0·00	0	- 19	Liverpool	5·1	—	49	0	36	—	—	—	—
a Hawarden Bridge ..	22	63	16th	38	16th	55·1	42·3	48·5	- 1·2	1	0·05	1	- 16	Manchester City	4·2	+2·1	40	0	37	47·1	- 6·2	53·1	- 1·7
p Manchester (Whit. Pk.)	125	65	15th	39	15th	55·3	43·9	49·4	- 0·1	5	0.09	2	- 17	„ Whit. Pk.	4·6	+2·7	44	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	67	15th	42	20th	56·1	43·6	49·7	- 1·0	0	0·00	0	- 20	Llandudno ..	5·2	+2·0	50	—	—	—	—	—	—
t Holyhead	15	65	15th	45	20th	55·0	47·3	51·0	+0·2	1	0·01	0·2	- 23	Holyhead ..	6·5	—	63	0	34	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	1	0·05	1	—	Aberdovey ..	6·5	+3·3	62	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *c* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
b Aberystwyth	16	67	15, 16	42	20, 21	57·7	46·1	51·7	—	0	0·00	0	—										
a Rhayader	757	59	15th	30	15th	51·9	39·3	45·4	—	1	0·01	0·3	—	Aberystwyth	7·7	+4·2	73	—	—	—	—	—	—
t Pembroke	149	59	15, 16	40	21st	54·6	45·3	49·8	- 1·8	0	0·00	0	- 23	Rhayader ..	5·4	—	51	2	21	—	—	—	—
														Pembroke ..	7·1	+3·7	67	—	—	—	—	—	—
p Cardiff	202	60	15th	38	21st	53·4	41·9	47·5	- 2·0	0	0·00	0	- 26	Cardiff ..	6·9	—	56	0	33	49·6	- 2·3	54·4	- 0·4
b, ENGLAND, S.W.																							
h Bath	66	63	15th	35	21st	55 0	40 4	47·5	- 2·1	0	0·00	0	- 18	Bath	5·9	+2·5	56	—	—	50·9	—	55·5	—
a Shaftesbury	722	60	15th	35	21st	52·7	39·3	45·8	- 3·1	0	0·00	0	- 22	Shaftesbury ..	—	—	—	—	—	49·5	—	53·9	—
a Arlington	613	62	15th	38	20th	53·4	43·4	48 3	- 0·8	0	0·00	0	- 36										
h Newquay	190	61	15, 16	36	20th	54·4	45·7	49·9	- 2·4	0	0·00	0	- 22	Newquay ..	6·9	+3·2	65	—	—	52·6	—	55·4	—
a Cullompton	202	65	15th	35	20, 21	55·4	38·4	46·7	- 2·8	1	0·02	1	- 22	Cullompton ..	6·0	+3·1	57	4	26	50·1	—	—	—
t Portland Bill	19	59	15th	40	21st	53·7	46·7	50·1	- 2·5	0	0·00	0	- 21	Weymouth ..	5·2	—	49	—	—	—	—	—	—
p Plymouth	116	61	15th	40	20th	54·4	47·0	50·6	- 0 9	0	0·00	0	- 22	Plymouth ..	6·2	+2·7	59	0	35	51·3	- 2·0	55·1	—
h Falmouth	167	61	15th	37	20th	55·1	49·3	52·1	+0·3	0	0·00	0	- 28	Falmouth ..	5·0	+1·2	47	0	33	53·2	—	57·2	—
9. IRELAND, N.																							
t Malin Head	71	59	15, 16	46	21st	54·1	49·0	51·5	+1·8	0	0·00	0	- 16	Malin Head ..	6·1	—	60	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallaranny ..	120	60	15, 16	42	20th	55·1	45·1	50·0	—	0	0·00	0	—	Mallaranny ..	4·7	—	45	0	32	—	—	—	—
p Markree Castle..	122	63	15, 16	40	20, 21	56·7	42·3	49·3	+1·3	0	0·00	0	- 22	Markree Castle	5·2	+2·2	50	1	28	51·2	- 0·8	52·8	- 1·2
b, East .. *p* Armagh.. ..	204	60	15th	38	15th	54·1	43·1	48·4	+0·2	1	0·02	0·4	- 14	Armagh ..	5·0	+2·0	49	0	31	50·5	- 0·8	52·6	- 0·7
t Donaghadee ..	35	59	15th	46	21st	54·0	49·1	51·5	+1·9	1	0·01	0·2	- 15										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	35	51·6	- 0·5	53·1	- 0·8
p Dublin City	54	60	15th	46	20th	55·1	48·6	51·8	+1·8	2	0·08	2	- 14	Phœnix Park	4·8	+1·6	47	0	31	—	—	—	—
t Birr Castle	175	63	15th	40	19, 20	56·4	45·0	50·5	+2·7	0	0·00	0	- 17	Dublin City ..	—	—	—	0	40	—	—	—	—
a, East .. *a* Kilkenny	195	62	15th	39	20th	55·0	44·9	49·8	+1·2	2	0·04	1	- 17	Birr Castle ..	—	—	—	0	33	—	—	—	—
a Waterford	137	61	15th	41	19th	55·9	42·9	49·2	- 1·0	3	0·09	2	- 21										
p Seskin, Carrick-on-Suir	542	58	15th	38	20, 21	53·1	42·3	47·5	—	2	0·07	2	—	Seskin ..	4·1	—	39	0	32	—	—	—	—
a Foynes	50	61	15th	40	19th	55·9	44·0	49·8	- 0·2	0	0·00	0	- 22										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3·0	- 0·1	29	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	60	16th	42	20th	55·9	48·7	52·2	- 1·4	0	0·00	0	- 20	Scilly	4·3	+0·4	41	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	64	15th	42	20th	57·1	46·9	51·9	- 1·9	0	0·00	0·1	- 25	St. Heliers ..	5·7	+1·6	54	—	—	—	—	—	—
p Guernsey† ..	173	62	15th	43	20th	56·4	48·0	52·1	- 1·8	2	0·37	9	- 17	Guernsey ..	6·1	+1·8	58	0	41	52·5	- 3·0	56·7	- 1·4

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 21st, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	d. hr.	m.p.h	d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	84	67	17	0	240	21	9 14 14	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	105	63	0	130	9	4 17 23	19	9 20 15 20
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	36	103	29	0	100	17	7 19 1	28	13 18 12 5
Edinburgh	485	39	31	—	0	—	0	59	85	24	0	80	24	11 20 24	37	17 20 21 50
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	—	0	84	73	11	0	50	23	10 21 12	36	16 21 0 45
Paisley	188	81	15	—	0	—	0	28	122	18	0	90	17	7 16 12	33	15 16 11 45
2. ENGLAND, N.E.																
South Shields	72	61	12	—	0	18 to 21	9	104	51	4	0	40	26	12 21 7	37	17 21 4 0
Spurn Head	67	41	‡	—	0	17 to 21	57	79	26	6	0	10	30	13 21 3	47	21 19 19 5
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	17 to 21	88	61	16	0	3	90	38	17 19 12	49	22 19 12 20
Shoeburyness	103	90	‡			Instrument	under	repair.								
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	18, 19	6	105	52	5	0	70	25	11 (18 13 / 19 12)	40	18 19 11 40
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	94	71	3	0	—	23	10 19 11	41	18 18 12 40
Larkhill, S'y Plain ..	513	63	43	—	0	17, 18, 19, 21	19	141	2	0	6	100 / 110 / 70	28	13 (17 11 / 18 11 / 21 16)	39	17 18 12 40
Richmond (Kew Obs.) ..	82	65	22	—	0	18	1	79	79	9	0	80	25	11 18 11	44	20 19 10 5
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	75	93	0	0	50	24	11 19 11	42	19 19 10 55
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	97	68	3	0	20	23	11 21 5	—	— — — —
Southport	80	62	48	—	0	16 to 19, 21	19	108	41	0	0	90	28	13 17 13	40	18 17 12 45
7. *b*. NORTH WALES.																
Holyhead	64	45	‡	—	0	16 to 21	81	70	9	8	0	60	35	16 17 19	46	21 17 11 25
8. *b*. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	16, 17, 18, 21	55	15 to 21	79	34	0	0	0	100	54	24 18 13	69	31 18 13 5
Plymouth	185	88	2	—	0	15 to 19, 21	25	125	18	0	0	—	31	14 18 14	51	23 18 13 35
Lyme Regis	554	59	‡			Defective Records.										
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	17 to 21	106	32	28	2	0	90	35	16 18 19	—	— — — —
Quilty	100	40	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	— — —	—	— — — —
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	—	—	—	—	—	—	—	—	—	— — —	—	— — — —
Weaver Pt.	160	30	‡‡‡‡	—	0	16 to 19, 21	39	118	0	0	11	—	35	16 18 8	50	22 18 7 40
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	17, 18	20	15 to 21	94	30	1	0	23	100	45	20 18 6	—	— — — —

‡‡ In the case of an anemometer with the ideal exposure at "23ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale :—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. (*Vide* Guide to Tables of the W.W.R.) * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory. † Gust from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1922—October 15th to October 21st, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	68	30	53·2	41·9	47·4	+1·0	38	- 1	0	- 7	1	- 4	0·04	1	- 24	4·9	+2·4	48	1027
Eastern.																			
1. SCOTLAND, EAST ..	70	24	52·3	40·1	46·1	- 0·3	34	- 7	5	- 3	3	- 1	0·19	5	- 14	3·9	+1·3	38	1027
2. ENGLAND, N.E. ..	63	33	53·5	43·3	48.3	- 0·1	44	- 4	0	- 3	4	0	0·26	6	- 12	4 3	+1·4	41	1023
3. ENGLAND, EAST ..	64	33	54·2	43·7	48·7	- 0·7	47	- 10	0	- 4	4	0	0·39	10	- 5	5·6	+2·4	54	1019
4. MIDLAND COUNTIES	65	29	53·8	40·1	46·7	- 1·4	38	- 12	5	- 1	2	- 2	0·13	3	- 14	4 4	+1·5	42	1019
5. ENGLAND, S.E. ..	65	32	53·9	42·9	48·2	- 2·5	43	- 21	0	- 3	2	- 2	0·14	4	- 15	5·0	+1·7	47	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	68	31	55·0	42·2	48·4	+0·5	45	- 3	0	- 5	0	- 4	0·00	0	- 25	—	—	—	1025
7. ENGLAND, N.W. (*and North Wales*)	68	34	55·0	42·9	48·8	- 0·3	48	- 4	0	- 2	2	- 2	0·03	1	- 21	5·6	+2·9	54	1021
8. ENGLAND, S.W. (*and South Wales*)	65	30	54·0	43·1	48·4	- 2·1	45	- 17	0	- 2	0	- 4	0·00	0	- 25	6·3	+3·0	59	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·1	+2·1	49	1022
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	64	42	56·5	47·9	52·1	- 1·8	71	- 11	0	0	1	- 4	0·12	3	- 20	5·4	+1·3	51	1012
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, September 3rd to October 21st, 1922.

0. SCOTLAND, NORTH ..	68	30	55·7	44·1	49·6	- 0·3	378	- 30	5	-11	28	- 5	4·37	110	- 62	3·3	+ 0·2	28	1016
Eastern.																			
1. SCOTLAND, EAST ..	70	23	56·4	43·0	49·5	- 0·7	376	- 58	9	-11	28	+ 2	3·33	84	- 23	3·2	- 0·4	27	1017
2. ENGLAND, N.E. ..	69	32	57·9	45·9	51·7	- 0·7	474	- 43	0	- 6	24	0	3·25	81	- 9	3·3	- 0·7	28	1017
3. ENGLAND, EAST ..	72	31	59 8	47·1	53·1	- 0·7	546	- 44	0	- 8	23	0	3·20	81	- 7	4·5	0·0	38	1017
4. MIDLAND COUNTIES	72	29	59·2	44·8	51·7	- 0·9	490	- 47	12	- 4	19	- 4	2·58	65	- 28	3·4	- 0·5	29	1017
5. ENGLAND, S.E. ..	73	26	60·2	47·6	53·6	- 1·3	570	- 67	0	- 7	18	- 5	2·89	74	- 30	4 5	- 0·1	38	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	30	58·0	44·6	51·0	- 0·5	443	- 39	0	-10	24	- 2	4·72	121	- 41	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	70	32	58·1	46·1	51·9	- 1·1	487	- 54	0	- 4	22	- 4	3·47	88	- 40	3·7	0·1	32	1017
8. ENGLAND, S.W. (*and South Wales*)	71	28	59·2	47·6	53·2	- 1·0	548	- 55	0	- 4	17	- 9	3·68	94	- 46	4·3	0·0	36	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·2	- 0·3	27	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	37	60·5	51·6	55·9	- 1·4	681	- 70	0	0	16	- 11	3·25	82	- 41	4·5	- 0·8	38	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 42 Weeks, January 1st to October 21st, 1922.

0. SCOTLAND, NORTH ..	76	18	51·4	40·6	45·8	- 0 9	1598	-352	494	- 61	196	+ 2	33·57	853	-111	3 6	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52·4	39·6	45·7	- 1·5	1729	-443	636	- 1	174	+10	22·93	584	- 24	3·8	- 0·3	29	1010
2. ENGLAND, N.E. ..	84	12	54·8	41·9	48·1	- 0·7	2306	-188	509	+31	151	+ 3	20·80	528	+36	4·3	- 0 2	33	1013
3. ENGLAND, EAST ..	89	16	56·4	43·1	49·5	- 0·5	2620	-244	431	- 71	151	+ 8	21·22	539	+72	4·9	0 0	37	1013
4. MIDLAND COUNTIES	86	11	56·2	41·5	48·5	- 1·0	2433	-340	508	- 30	151	+ 9	24·75	629	+107	4·1	- 0·3	31	1013
5. ENGLAND, S.E. ..	88	17	57·2	44·0	50·3	- 0·7	2755	-293	318	- 68	149	+10	22·40	570	+57	5·0	- 0·1	38	1014
Western																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·9	41·3	47·3	- 1·3	2017	-368	448	+22	173	+ 2	34·94	891	- 1	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·4	42·9	48·4	- 1·1	2241	-362	360	- 26	156	0	25·98	661	- 17	4·4	0·0	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	56·0	44·0	49·7	- 1 0	2547	-326	268	- 37	158	+ 3	29·25	747	+21	4·8	- 0·1	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·9	0·0	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·3	48·0	52·5	- 0·5	3126	-215	50	- 55	157	- 3	25·42	647	+53	5·3	- 0·5	41	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn
27th October, 1922.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 169

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 43

FORTY-THIRD WEEK.

SUNDAY, OCTOBER 22ND, TO SATURDAY, OCTOBER 28TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the greater part of the week was fair and cool. The prevailing winds were easterly or north-easterly and reached gale force at one or two of our south coast stations. Snow and hail showers fell towards the end of the week in several places, but the total amount of precipitation for the week was considerably less than the normal in all districts, a number of places again reporting a rainless week. Amongst the stations with the largest consecutive number of days without rain up to October 28th, are those shown in the following list:—

	days		days		days
Ford (Argyll)	15	Douglas (Isle of Man)	16	Portland Bill	19
Mallarany (Mayo)	15	Kilmarnock (Ayr)	16	Hereford	21
Markree Castle (Sligo)	15	Liverpool	16	Bath	23
Rothesay (Bute)	15	Renfrew	16	Cardiff	23
Blackpool	16	Pembroke	17	Plymouth	23

The highest of the maximum temperatures occurred during the first half of the week when several stations registered readings above 50°F., the highest being 56°F. at Brighton and Scilly on the 24th. Towards the end of the period some very low day temperatures were recorded, the maximum at Balmoral on the 28th being as low as 36°F. Screen minimum readings of 20°F. were registered at West Linton (Peebles) and 22°F. at Balmoral and also Marlborough (Wilts). Ground frosts were recorded at practically all stations, the reading of the grass thermometer at Tunbridge Wells on the morning of the 26th being as low as 14°F. The mean daily range of temperature for the week was as much as 15°F. in several places in England, while on the other hand at one or two of the Scottish and Irish stations it was less than 5°F. The mean temperature was well below the normal in all districts. The mean amount of sunshine for the week was above the normal at most stations. The departure of the mean duration from the normal for the week ranged from +1·6 hours at Cromer and Ventnor to −1·5 hours at Dublin (Phœnix Park). Aurora was witnessed at Fort William on the 25th. Solar halos were observed at Clacton and Ross-on-Wye on the 26th and at Oxford on the 26th and 27th. Lunar halos were seen at Brighton, Oxford and Ross-on-Wye on the 26th. A sun pillar was observed at Oxford on the 26th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.			Edinburgh. Blackford Hill.			England, E. Gorleston.			London. Richmond.			North Wales. Holyhead.			England, S.W. Scilly.			Dublin. Kingstown.			Ireland, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	0	—	—	1	4	1·8	2	2	0·9	0	—	—	7	3	1·2	9	10	4·4	7	12	5·5	—	—	—
North	23	12	5·2	15	9	4·2	17	11	5·1	20	7	3·1	18	9	3·9	13	5	2·4	17	9	4·1	—	—	—
West	11	3	1·5	6	6	2 7	0	—	—	0	—	—	0	—	—	0	—	—	4	5	2·2	—	—	—
East	9	6	2·8	8	4	2·0	24	10	4·6	21	6	2·7	27	12	5·4	25	17	7·6	22	17	7·8	—	—	—
Calm (or wind-speed < 4 m.p.h.)	5	—	—	9	—	—	3	—	—	7	—	—	1	—	—	0	—	—	2	—	—	—	—	—
No record	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	3	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*)	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year .. Warmth ..	Very Deficient	Very Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Very Deficient	—	—	Very Deficient
Rainfall ..	Very Light	Light	Light	Light	Very Light	Light	Nought	Very Light	Very Light	—	—	Light
Sunshine ..	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	—	Abundant	Moderate	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 8 weeks from Sept. 3rd, 1922. Warmth ..	1, 4, 3	1, 4, 3	1, 5, 2	1, 5, 2	1, 5, 2	1, 2, 5	1, 4, 3	1, 5, 2	1, 4, 3	—	—	1, 5, 2
Rainfall ..	0, 4, 4	1, 3, 4	2, 1, 5	2, 1, 5	2, 1, 5	1, 3, 4	1, 4, 3	1, 2, 5	1, 3, 4	—	—	1, 1, 6
Sunshine ..	4, 2, 2	2, 3, 3	2, 2, 4	3, 2, 3	2, 3, 3	3, 3, 2	—	3, 2, 3	2, 3, 3	1, 4, 3	—	2, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F		°F		°F.	°F.	F°	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
SCOTLAND, N.			22, 23,																				
l Lerwick	54	44	25	35	26-28	42 9	36·4	39·6	- 4·7	5	0·17	4	- 18										
p Deerness, Orkney ..	165	47	25, 26	35	28th	45·1	38·3	41·6	- 3·2	6	0·36	9	- 12	Deerness ..	2·1	- 0·3	23	—	—	—	—	—	—
a Islands *l* Stornoway	51	50	23rd	98	25. 26	47·4	33·1	40·0	- 4·7	5	0·31	8	- 21	Stornoway ..	3·0	+0·2	32	—	—	—	—	—	—
l Castlebay, Barra I. ..	37	49	22, 24	40	28th	47·3	43·0	45·1	—	6	0·37	9	—	Castlebay ..	3·5	—	36	—	—	—	—	—	—
l Wick	81	48	25th	31	25th	45·9	35·9	40·8	- 3·6	5	0·40	10	- 6										
a Strathpeffer	125	48	24th	25	26th	44·0	31·5	37·6	- 6·3	2	0·04	1	- 13										
b, Main- *h* Achnashellach	225	48	22, 24, 25	24	28th	46·6	31·0	38·6	—	1	0·01	0·3	—	Achnashellach	—	—	—	5	19				
land. *h* Inverness	242	48	24th	28	26th	43·3	33·6	38·3	—	3	0·24	6	—	Inverness ...	1·9	—	20	4	20	—	—	—	—
a Fort Augustus	68	46	24th	24	25, 28	44·0	30·9	37.3	- 7·0	2	0·27	7	- 15										
p Fort William	171	48	24th	27	26th	44·6	31·4	37·8	- 7·4	0	0·00	0	- 39										
1. SCOTLAND, E.																							
l Nairn	82	47	22, 24	27	26th	44·3	34·6	39·3	- 4·3	3	0·17	4	- 9	Nairn ..	2·6	—	27	—	—	—	—	—	—
p Gordon Castle	101	50	25, 26	29	26th	47·1	35·3	41·0	- 3·7	6	0·49	12	- 5	Gordon Castle	3·0	—	32	—	—	—	—	—	—
l Aberdeen	46	50	25th	33	28th	47·1	36·6	41·7	- 3·1	6	0·35	9	- 7	Aberdeen ..	3·4	+0·6	36	3	29	—	—	49·5	+0·3
a Balmoral	930	44	23-25	22	25, 26	41·7	27·9	34·6	- 6·4	5	0·33	8	- 12	Balmoral ..	—	—	—	6	19	—	—	—	—
p Crieff	432	49	22nd	28	25, 26	46·3	31·7	38·8	- 5·5	1	0·03	1	- 21	Crathes ..	2·6	- 0·2	27	3	25	43·6	—	47·9	—
a Dundee	244	52	23rd	27	25th	47·6	31·7	39·4	- 4·8	3	0·20	5	- 9	Dundee ..	3·1	—	32	6	19	45·6	—	—	—
														Inchkeith									
l Inchkeith (F. of Forth)	190	50	25th	36	28th	46·7	39·6	43·1	—	3	0·09	2	—	(F. of Forth)	3·8	—	39	1	30	—	—	—	—
p Edinburgh	441	46	22-24	33	25th	44 6	36·4	40·4	- 4·5	2	0·04	1	- 13	Edinburgh ..	2·6	- 0·4	26	6	23	—	—	—	—
a West Linton	769	45	23, 24, 26	20	25th	43·1	28·6	35·6	- 5·8	4	0·23	6	—	West Linton	—	—	—	7	16	—	—	—	—
a Marchmont	498	46	24th	32	28th	44·3	35·6	39·8	- 3·9	7	1·05	27	+ 7	Marchmont ..	1·3	- 1·2	14	—	—	—	—	—	—
6. *a*, SCOTLAND, W.			22, 23,																				
a Ford (Argyll)	149	50	25	28	28th	47·3	31·3	39·7	—	0	0·00	0	—	Ford (Argyll)	—	—	—	6	24	46·7	—	51·2	—
l Renfrew	49	50	22, 24	24	25th	46·9	31·9	39·2	—	0	0·00	0	—	Renfrew ..	2·7	—	28	6	15	—	—	—	—
p Rothesay	200	50	22nd	33	28th	47·1	37·3	42·1	- 3·6	0	0·00	0	- 25	Rothesay ..	4·9	—	51	3	26	45·3	—	49·7	- 0·6
a Kilmarnock	90	51	25, 26	24	28th	48·3	30·6	39·2	- 5·0	0	0·00	0	- 19	Kilmarnock ..	3·8	—	39	—	—	44·0	—	50·3	—
a Colmonell	170	53	25th	27	28th	48·4	33·1	40·5	- 5·1	0	0·00	0	- 25	Colmonell ..	—	—	—	6	21	—	—	—	—
p Dumfries	160	49	25th	31	25th	47·4	34·4	40·7	- 4·4	1	0·01	0·2	- 20	Dumfries ..	3·1	—	31	6	22	45·7	- 1·3	49·9	- 1.1
l Eskdalemuir	794	46	23, 24	27	25th	43·6	32·1	37·7	—	4	0·46	12	—	Eskdalemuir	2·4	--	25	4	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	51	22nd	37	28th	48·0	41·1	44·5	- 2·2	0	0·00	0	- 25	Douglas ..	3·8	+0.7	38	0	34	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	51	23rd	32	28th	47·7	35·6	41·5	- 2·6	6	0·63	16	- 4	Cockle Park ..	3 2	+0·5	33	6	22	42·8	- 2·1	48·4	- 0·4
l Tynemouth	118	50	22nd	36	26th	47·1	41·0	44·0	- 2·0	6	0·42	11	- 6	Tynemouth ..	—	—	—	1	30	—	—	—	—
a North .. *p* Durham	336	49	22nd	31	26th	46·6	35·0	40·6	- 4·4	7	0·44	11	- 7	Durham ..	2·4	0·0	24	6	24	—	—	—	—
p Rounton	249	50	22nd	28	26th	46 7	34·0	40·2	- 4·7	7	0·39	10	- 7	Rounton ..	—	—	—	5	19	45·9	—	—	—
a West Witton	605	49	22nd	28	26th	46·3	35·0	40·5	—	5	0·15	4	—	West Witton ..	—	—	—	5	24	43·5	—	48·7	—
h Scarborough	118	51	22-24, 26	38	27th	49·9	41·9	45·8	- 1·3	7	0·36	9	- 10	Scarborough †	3·2	+0·6	32	—	—	—	—	51·1	—
p York	56	50	22, 23, 25	29	26th	48·3	35·1	41·5	- 4·7	5	0·14	4	- 12	York ..	3·3	+1·1	33	—	—	48·0	- 1·5	51·9	- 0·5
l Spurn Head	26	51	25, 26	37	28th	49·3	42·0	45·5	- 2·3	6	0·34	9	- 5	Spurn Head ..	3·0	—	30	—	—	—	—	—	—
b, South .. *a* Lincoln	58	52	22, 25	29	26th	49·6	36·0	42·6	- 3·5	5	0·18	5	- 10	Lincoln ..	—	—	—	2	28	45·1	- 2·9	51·9	- 0·6
l Cranwell	237	51	25, 26	30	26, 28	48·3	34·9	41·4	- 4·8	6	0·19	5	- 10	Cranwell ..	3·4	+0·5	34	4	26	—	—	—	—
														Skegness ..	4·4	+1·3	44	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	52	22nd	36	28th	49 9	41·3	45·5	- 2·2	5	0·25	6	- 10	Cromer ..	4·5	+1·6	45	—	—	—	—	—	—
a Little Massingham ..	277	50	22, 24	33	28th	47·9	38·0	42.8	- 2·8	7	0 66	17	- 2	Lit Massingham	3·7	+1·1	37	—	—	—	—	—	—
a, North .. *l* Yarmouth	13	52	22, 24	40	25, 28	49 7	43·3	46·4	- 1·2	7	0·68	17	- 1	Yarmouth ..	4·6	—	46	1	30	48 9	- 1·1	52 4	- 1·5
a Norwich	93	53	24th	32	28th	49·6	37 3	43·3	- 3·4	7	0 55	14	- 5	Norwich ..	4·1	—	41	3	27	44·9	—	—	—
a Geldeston	37	52	23, 24	32	26th	49·5	38·0	43·6	- 3·7	6	0·55	14	- 3	Geldeston ..	4·5	+1·5	45	—	—	—	—	—	—
p Cambridge	41	51	22, 24	29	26, 28	49·4	39·7	42·4	- 4·2	2	0.05	1	- 13	Cambridge ..	3·6	+0·7	36	3	24	47·5	- 2·2	52·6	- 1·3
b, South ... *l* Clacton-on-Sea ..	54	52	24th	35	26 th	49 6	39·7	44·5	- 3·5	3	0·37	9	- 3	Clacton-on-Sea	4·4	+1·3	44	1	29	46 8	- 4 7	53·3	- 1·4
a Rothamsted	420	50	24th	28	26th	47·1	34·9	40·8	- 5·2	1	0·06	1	- 18	Rothamsted	4·3	+1·5	43	4	18	44·8	—	—	—
p Tottenham	51	52	22, 24	30	26th	49·7	36·6	43·0	—	0	0·00	0	—	Tottenham ..	4·0	—	40	—	—	—	—	—	—
														Southend ..	4·0	—	40	0	31	47·7	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	48	22 23	29	28th	45·4	35·3	40·2	- 4·6	4	0·12	3	- 16	Harrogate ..	4 7	+0·2	27	3	24	44 8	- 2·9	48 8	- 1·0
a, North .. *p* Sheffield	429	48	22nd	33	26, 28	46·0	37·3	41·5	—	4	0·15	4	—	Sheffield ..	1·7	- 0·6	17	2	26	45·3	- 2·9	49·8	- 1·7
p Buxton	987	46	24th	26	26th	43·7	33·1	38·2	- 5·1	3	0·09	2	- 27	Buxton ..	2·4	—	24	3	26	42·7	- 3·3	49·7	- 0·9
a Worksop	56	50	22, 23	27	26th	48·7	34·4	41·3	- 4·7	2	0·06	2	- 13	Worksop ..	2·1	- 0·1	21	6	20	45·7	—	—	—
t Nottingham	82	50	22, 24	33	26. 28	47·7	38·0	42 7	- 3·4	4	0·05	1	- 13	Nottingham ..	3·0	+0 8	30	2	28	42·8	- 4·3	48 9	- 2·9
b, East .. *p* Birmingham, Edgbsn...	525	50	22nd	30	28th	46·9	37·0	41·8	- 4·4	1	0·02	0·4	- 16	Birmingham	2·1	+0 2	21	3	24	44·1	- 3·5	50·1	- 1·0
a Raunds	213	51	24th	30	26th	48 7	35·4	41·9	- 4·2	4	0·17	4	- 11	Raunds ..	5·1	—	51	3	25	46·6	—	—	—
p Oxford	208	52	25th	30	26, 28	49·4	33·6	41·3	- 5·7	3	0·05	1	- 15	Oxford ..	4·1	+1·4	41	5	24	—	—	—	—
														Malvern	3 2	—	32	3	27	44·3	—	50·7	—
a Cheadle (N. Staffs.) ..	646	50	22nd	30	28th	46 9	35 6	41·1	- 3·8	1	0·01	0·2	- 19	Cheadle	—	—	—	3	24	—	—	—	—
c, West .. *p* Tenbury	313	51	24, 25	24	28th	48·0	31·1	39·3	- 6·6	0	0·00	0	- 15	Tenbury ..	—	—	—	5	20	45·3	—	—	—
a Hereford	291	51	24th	26	26th	47·4	34·3	40·7	- 5·5	0	0·00	0	- 17	Ross on Wye	3·2	—	32	4	21	44·6	—	51·4	—
a Clifton	225	50	24th	31	28th	47·0	35·6	41·1	- 6·8	2	0·02	1	- 21	Clifton ..	3·2	—	32	3	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	50	22, 24	32	26th	47·7	31·3	39·3	- 6·2	1	0·02	0·4	- 22	Worthing ..	4·9	+1·4	49	2	27	46 3	- 5 0	53·4	- 1·8
a Porton	363	51	22nd	27	26th	48 1	32 4	40·0	—	0	0·00	0	—	Marlborough ..	3·6	+1 0	36	4	23	45 0	—	52 0	—
a Wisley, Surrey ..	150	51	24th	25	27th	47.7	31·9	39 6	- 7·2	2	0 03	1	- 18	Porton	4·4	—	44	5	18	41·4	—	—	—
h Tunbridge Wells ..	354	54	24th	24	26th	48·0	33·6	40 6	- 6·9	3	0·31	8	- 16	Wisley, Surrey	2 5	- 0 3	25	7	16	44 6	- 5·0	51·1	- 2·2
h Margate	51	52	23rd	38	28th	49 6	42 6	46·0	- 3·3	6	0·76	19	+ 1	Tunbridge Wells	3 1	- 0·1	30	6	14	47·7	—	53·4	—
														Margate ..	3 9	+0 9	39	0	34	48·4	- 2 4	54 2	- 0·4
l Dungeness	21	52	23rd	33	26th	48·4	41·1	44·6	- 4 7	4	0·53	13	- 8	Folkestone ..	4·6	—	45	2	26	—	—	55·3	—
h St. Leonards	178	53	24·h	33	26th	48·1	38·1	43·0	- 6 4	6	0·26	7	- 16	St. Leonards..	3 7	+0·3	37	2	25	48·0	—	54·4	—
p Southampton	64	53	24th	30	26th	49·3	34·4	41·6	- 7·5	1	0·01	0·2	- 24	Southampton	4·2	+1·1	42	5	23	—	—	—	—
a Ventnor	59	54	24th	34	28th	50·3	38·6	44·3	- 6·7	1	0·02	0·4	- 24	Ventnor ..	5·0	+1·6	50	—	—	—	—	—	—
LONDON *l* Richmond (Kew Obs.)	18	51	22, 24	28	26th	48·5	36·5	42·3	- 5·2	1	0·01	0·2	- 16	Richmond	2 9	+0 4	29	5	22	45 1	- 4·2	52 2	- 1·2
a Westminster	27	53	24th	29	26th	50·1	37·7	43·7	- 5 0	0	0·00	0	- 15	Westminster	2·7	+0 8	27	2	25	—	—	—	—
a Greenwich ..	149	53	24th	24	26th	49·4	34·9	41·9	- 5·8	2	0·08	2	- 14	Greenwich ..	3·6	+0 9	36	5	19	—	—	—	—
a Hampstead ..	450	50	22, 24	31	28th	47·3	36·3	41·6	—	0	0·00	0	—	Hampstead ..	4·2	—	42	3	25	—	—	—	—
a Camden Square ..	110	54	22, 26	30	26th	51·4	37·9	44·5	- 3·6	1	0·01	0·3	- 16	Camden Square	—	—	—	3	26	45·6	—	51·8	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	46	24, 25	30	28th	44·3	34·1	39·1	- 5 9	3	0·03	1	- 23	Aspatria	3·4	+0 4	35	3	24	45·2	- 1 7	49·5	- 1·0
p Newton Rigg	559	52	23rd	25	26th	47·3	31·7	39·3	- 4·6	5	0·10	3	- 18	Newton Rigg	2·9	+0·3	29	6	17	—	—	—	—
p Stonyhurst	375	50	22nd	32	28th	47·0	37.1	41·9	- 3·3	1	0·02	0·4	- 27	Stonyhurst ..	3 8	+1·4	39	1	29	—	—	—	—
h Blackpool	66	52	22, 23, 25	31	28th	50 4	37·1	43·6	- 3·0	0	0·00	0	- 22	Blackpool ..	3·9	+1·0	39	6	21	47 9	—	51·6	—
h Southport	37	52	22nd	30	28th	48 1	37·3	42 5	- 4 1	0	0·00	0·1	- 20	Southport ..	3·7	+0·9	37	5	19	44·2	- 2 8	50·2	- 1·4
														Hoylake ..	2·6	- 0 2	26	—	—	—	—	—	—
l Liverpool (Bidston) ..	188	50	22nd	32	28th	47·6	39·0	43·2	- 3·8	0	0·00	0	- 18	Liverpool	2·7	—	27	1	28	—	—	—	—
a Hawarden Bridge ..	22	50	22, 24	32	28th	48·1	39 7	43 8	- 3 6	0	0·00	0	- 16	Manchester City	1·9	+0 3	20	1	30	44 5	- 3 8	51·6	- 2 0
p Manchester (Whit. Pk.)	125	50	22nd	34	28th	47·4	39·1	43·1	- 3 9	2	0.02	1	- 18	,, Whit. Pk.	1·8	+0·2	18	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	50	22, 24, 26	32	26th	48·4	37 4	42·7	- 5·8	1	0·01	0·2	- 20	Llandudno ..	2·4	- 0·7	24	—	—	—	—	—	—
t Holyhead	15	53	25th	39	26th	49·7	43·1	46·3	- 2·4	1	0·09	2	- 22	Holyhead ..	3·5	—	36	0	34	—	—	—	—
a Aberdovey	60	52	25th	34	28th	49·4	40·6	44·9	—	0	0·00	0	—	Aberdovey ..	3·1	- 0·1	31	1	27	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "/" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	50	22, 25	34	28th	48·4	38·9	43·5	—	1	0·01	0·3	—										
a Rhayader	757	47	24th	27	27, 28	44·7	33·7	39·0	—	0	0·00	0	—	Aberystwyth	3·1	0·0	31	—	—	—	—	—	—
i Pembroke	149	51	25th	36	27, 28	48·4	40·1	44·1	- 5·7	0	0·00	0	- 25	Rhayader ..	2·4	—	24	4	15	—	—	—	—
														Pembroke ..	3·2	+0·3	32	—	—	—	—	—	—
p Cardiff	202	51	24th	32	28th	47·1	36·1	41·4	- 5·9	0	0·00	0	- 28	Cardiff ..	3·1	—	31	3	29	45·6	- 4·3	52·7	- 1·1
b, ENGLAND, S.W.																							
h Bath	66	51	24th	29	26, 28	48·7	34·0	41·1	- 6·4	0	0·00	0	- 19	Bath	3·8	+0·9	38	—	—	47·6	—	53·5	—
a Shaftesbury	722	50	24th	29	28th	48·3	33·7	39·8	- 7·0	2	0·02	1	- 22	Shaftesbury ..	—	—	—	—	—	45·8	—	52·0	—
a Arlington	613	49	22nd	33	27, 28	45·9	37·7	41·7	- 5·4	1	0·03	1	- 37										
h Newquay	190	53	25th	34	28th	48·9	38·0	43·3	- 7·1	1	0·04	1	- 23	Newquay ..	3·9	+0·6	38	—	—	48·6	—	54·1	—
a Cullompton	202	51	24, 25	29	26th	48·3	33·0	40·4	- 7·0	1	0·01	0·2	- 24	Cullompton ..	1·9	- 0·8	19	6	19	47·0	—	—	—
i Portland Bill	19	53	23rd	34	28th	49·4	39·7	44·4	- 6·3	0	0·00	0	- 21	Weymouth ..	2·9	—	29	—	—	—	—	—	—
p Plymouth	116	52	24, 25	36	28th	49·7	40·0	44·7	- 4·9	0	0·00	0	- 24	Plymouth ..	3·4	+0·3	34	0	31	46·8	- 4·7	53·7	—
h Falmouth	167	54	24, 25	36	28th	50·7	40·6	45·5	- 4·5	2	0·24	6	- 24	Falmouth ..	4·0	+0·7	40	0	32	47·6	—	54·6	—
9. IRELAND, N.																							
i Malin Head	71	49	22, 24	40	25th	47·1	42·7	44·8	- 2·1	1	0·04	1	- 17	Malin Head ..	2·6	—	27	—	—	—	—	—	—
i Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	55	23rd	37	28th	48·7	40·7	44·6	—	0	0·00	0	—	Mallarany ..	2·7	—	27	2	27	—	—	—	—
p Markree Castle.. ..	122	52	27th	27	28th	48·9	36·4	42·5	- 2·7	0	0·00	0	- 24	Markree Castle	2·7	- 0·1	28	3	21	47·9	- 2·4	51·7	- 1·5
b, East .. *p* Armagh..	204	49	26th	27	28th	46·7	36·7	41·6	- 3·7	0	0·00	0	- 16	Armagh ..	2·3	- 0·6	24	3	17	47·5	- 2·0	51·3	- 1·1
i Donaghadee	35	50	22nd	42	27th	48·1	44·6	46·3	- 0·5	0	0·00	0	- 17										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	32	48·6	- 1·7	52·0	- 0·9
p Dublin City	54	51	22nd	40	28th	48·1	43·6	45·8	- 1·7	5	0·19	5	- 11	Phœnix Park	1·7	- 1·5	17	1	30	—	—	—	—
i Birr Castle	175	49	28th	26	28th	47·4	37·6	42·4	- 2·9	1	0·02	0·4	- 18	Dublin City ..	—	—	—	0	34	—	—	—	—
a, East .. *a* Kilkenny	195	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	—	—	—	3	19	—	—	—	—
a Waterford	137	52	23rd	35	27th	48·7	40·7	44·6	- 3·0	2	0·05	1	- 23										
b Seskin, Carrick-on-Suir	542	47	22, 23	32	28th	45·4	37·9	41·5	—	2	0·02	0·4	—	Seskin ..	1·4	—	14	2	28	—	—	—	—
a Foynes	50	50	22nd	35	28th	47·4	39·4	43·3	- 4·1	1	0·01	0·3	- 23										
b, West .. *i* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	1·9	- 1·1	19	—	—	—	—	—	—
i Roche's Point ..	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
i Scilly, St. Mary's ..	131	—	—	—	—	—	—	—	—	—	—	—	—	Scilly ..	—	—	—	—	—	—	—	—	—
i Jersey, St. Aubins ..	25	53	23rd	32	26th	50·0	42·0	45·9	- 6·2	5	0·16	4	- 26	St. Heliers ..	3·3	- 0·2	32	—	—	—	—	—	—
p Guernsey† ..	173	54	22nd	41	27th	51·9	44·7	48·2	- 4·0	3	0·19	5	- 26	Guernsey ..	2·5	- 0·9	25	0	35	48·9	- 4·8	55·1	- 1·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 28th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
**Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	83	64	21	0	20	23	11	27	9	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	57	111	0	360	9	4	27	13	25	11	27	9	55
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	6	157	5	0	20	15	7	27	13	34	15	27	14	5
Edinburgh	485	39	31	—	0	—	0	31	90	47	0	20	21	9	27	18	37	17	27	17	40
6. *a*. SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	—	0	41	85	42	0	30	19	9	27	11	42	19	27	14	45
Paisley	188	81	15	—	0	—	0	5	75	88	0	30	17	7	27	12	32	14	27	11	45
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	27	1	56	93	18	0	50	25	11	27	11	44	20	27	17	20
Spurn Head	67	41	‡	—	0	27	8	105	54	1	0	360	28	13	27	21	44	20	27	17	55
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	23, 27, 28	8	91	57	8	4	30	28	13	27	18	47	21	28	11	0
Shoeburyness	103	90	‡			Instrument	under	repair.													
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	38	117	13	0	70	19	9	28	15	36	16	28	14	50
5. ENGLAND, S.E.																					
Brighton	281	53	6	—	0	—	0	27	140	1	0	—	17	8	28	15	32	14	28	15	15
Larkhill, S'y Plain ..	513	63	43	—	0	28	1	118	49	0	0	60	26	12	28	12	32	14	28	12	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	15	110	43	0	100	16	7	26	15	28	13	28	15	20
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	21	146	1	0	30 / 40	14	6	22 7 / 28 12		27	12	28	13	30
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	58	105	5	0	20	23	10	28	8	—	—	—	—	—
Southport	80	62	48	—	0	—	0	43	125	0	0	40	21	9	27	15	33	15	27	15	0
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	—	0	—	0	113	44	11	0	30	24	11	27	16	35	16	27	16	10
8. *b*. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	22, 28	10	22, 26, 27, 28	42	89	27	0	0	60	45	20	22	1	58	26	22	1	35
Plymouth	185	88	2	—	0	22	1	74	75	2	16	—	25	11	22	3	54	24	22	1	30
Lyme Regis	554	59	‡			Defective Records.															
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	22, 26, 27, 28	42	75	41	10	0	130	30	13	26	9	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡	—	0	26	17	117	31	3	0	—	32	14	26	14	45	20	26	15	35
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	26, 27, 28	31	99	23	0	15	110	38	17	26	20	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. (*Vide* Guide to Tables of the W.W.R.) * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-THIRD WEEK of 1922—October 22nd to October 28th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	50	24	45·1	32·9	38 8	− 5·5	9	− 21	31	+20	3	− 2	0·17	4	− 24	2·4	− 0·2	25	1023
Eastern.																			
1. SCOTLAND, EAST ..	50	20	45·1	33·7	39·2	− 4 9	9	− 21	28	+13	4	0	0·34	9	− 9	2 6	0 0	27	1023
2. ENGLAND, N.E. ..	52	28	48·2	37·3	42.6	− 3·8	17	− 20	13	+ 6	6	+ 2	0·34	9	− 9	3·3	+0·7	33	1020
3. ENGLAND, EAST ..	53	28	49·2	38·3	43·6	− 3 5	22	− 22	10	+ 3	4	0	0·35	9	− 7	4·2	+1·3	42	1017
4. MIDLAND COUNTIES	52	24	47·6	35 0	41·1	− 4·9	16	− 22	22	+12	2	− 2	0·05	1	− 16	2·8	+0·3	28	1018
5. ENGLAND, S.E. ..	54	22	48·6	36·1	42·1	− 6·4	17	− 34	17	+12	3	− 1	0·19	5	− 17	3·8	+0·8	38	1016
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	53	24	47·6	34·2	40·8	− 4·7	16	− 20	24	+15	0	− 4	0·00	0	− 26	—	—	—	1023
7. ENGLAND, N.W. (*and North Wales*)	53	25	47·7	37·6	42·5	− 4·3	16	− 24	12	+ 7	1	− 3	0·03	1	− 22	3·1	+0·5	32	1020
8. ENGLAND, S.W. (*and South Wales*)	54	27	47·9	36·9	42·2	− 6·3	16	− 34	14	+10	1	− 4	0·03	1	− 26	3·2	+0·3	32	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·5	− 0·4	25	1021
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	56	32	50·8	43·0	46·8	− 5·5	34	− 38	0	0	3	− 2	0·18	5	− 23	3·2	− 0·2	31	1014
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, September 3rd to October 28th, 1922.

0. SCOTLAND, NORTH ..	68	24	54·3	42·6	48·2	− 1·0	386	− 52	38	+11	31	− 7	4·54	114	− 86	3·2	+ 0·2	27	1017
Eastern.																			
1. SCOTLAND, EAST ..	70	20	55·0	41·8	48·2	− 1·3	385	− 79	37	+ 2	32	+ 2	3·67	93	− 32	3·1	− 0·4	27	1017
2. ENGLAND, N.E. ..	69	28	56·7	44·8	50·5	− 1·1	491	− 63	13	0	30	+ 2	3·59	90	− 18	3·3	− 0·6	28	1018
3. ENGLAND, EAST ..	72	28	58·5	46·0	51·9	− 1·1	568	− 66	10	− 5	27	0	3·55	90	− 14	4·5	+ 0·2	39	1017
4. MIDLAND COUNTIES	72	24	57·8	43·6	50·4	− 1·3	506	− 69	34	+ 8	21	− 6	2·63	66	− 44	3·3	− 0·4	29	1017
5. ENGLAND, S.E. ..	73	22	58·8	46·1	52·2	− 1·9	587	−101	17	+ 5	21	− 6	3·08	79	− 47	4 4	− 0·1	38	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	24	56·7	43·3	49·7	− 1·0	459	− 59	24	+ 5	24	− 6	4·72	121	− 67	—	—	—	1018
7. ENGLAND, N.W. (*and North Wales*)	70	25	56·8	45·1	50·7	− 1·5	503	− 78	12	+ 3	23	− 7	3·50	89	− 62	3·7	0·0	32	1017
8. ENGLAND, S.W. (*and South Wales*)	71	27	57·8	46·3	51·8	− 1·7	564	− 89	14	+ 6	18	− 13	3·71	95	− 72	4·2	+ 0·1	36	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·1	− 0·3	27	1017
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	59·3	50·6	54·7	− 2·0	715	−108	0	0	19	− 13	3·43	87	− 64	4·4	− 0·7	37	1016
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 43 Weeks, January 1st to October 28th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·3	40·4	45·6	− 1 0	1606	−374	527	− 39	199	0	33·74	857	−135	3·6	+ 0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52·2	39·4	45·6	− 1·5	1738	−464	664	+12	178	+10	23·27	593	− 33	3·8	− 0·3	29	1011
2. ENGLAND, N.E. ..	84	12	54·7	41·8	48 0	− 0·8	2323	−208	522	+37	157	+ 5	21·14	537	+27	4·3	− 0·2	33	1013
3. ENGLAND, EAST ..	89	16	56·3	42·9	49·3	− 0·6	2642	−266	441	− 68	155	+ 8	21·57	548	+65	4·9	0·0	37	1014
4. MIDLAND COUNTIES	86	11	56·0	41·4	48·4	− 1·0	2449	−362	530	− 18	153	+ 7	24·80	630	+91	4·1	− 0·2	31	1013
5. ENGLAND, S.E. ..	88	17	57·0	43·8	50·1	− 0·8	2772	−327	335	− 56	152	+ 9	22·59	575	+40	4·9	− 0 2	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·8	41·1	47·2	− 1·3	2033	−388	472	+37	173	− 2	34·94	891	− 27	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·2	42·8	48·3	− 1·2	2257	−386	372	− 19	157	− 3	26·01	662	− 39	4·4	0·0	33	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·8	43·8	49·6	− 1 0	2563	−360	282	− 27	159	− 1	29·28	748	− 5	4·7	− 0·1	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·8	− 0·1	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·2	47·9	52·3	− 0·7	3160	−253	50	− 55	160	− 5	25·60	652	+30	5·3	− 0·5	41	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
3rd November, 1922.

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13 NOV 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 44.

FORTY-FOURTH WEEK.

SUNDAY, OCTOBER 29TH, TO SATURDAY, NOVEMBER 4TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the past week there was a break in the dry weather recently experienced and the general character of the weather was unsettled, with bright intervals. Showers of rain, snow and hail fell on several days, thunder storms occurring in Ross and Cromarty on October 31st. The winds which varied a good deal in direction reached the force of a gale in several places. The mean temperature was again well below the normal in all districts. The highest temperatures occurred during the first half of the week when several stations recorded maximum readings of between 50°F. and 55°F., but during the latter part of the period some very low readings were registered, notably in the northern parts of the country, where in some places the readings of the maximum thermometer were below 40°F., in fact at Balmoral on each of the last three days of the week the temperature did not rise above 36°F. Screen minima below 32°F. were recorded at a number of stations, while at Balmoral and Renfrew readings as low as 18°F. were obtained. Ground frosts were general, and at a few stations readings of about 15°F. were registered, the actual lowest being 10°F. at Renfrew on October 29th. In several districts the total amount of precipitation for the week was in excess of the normal. Amongst the largest individual measurements were 26mm. at Jersey, 24mm. at Guernsey and 23mm. at Arlington (Devon) on October 29th, 58mm. at Fort William, 32mm. at Achnashellach, 29mm. at Douglas, 26mm. at Ford (Argyll), 25mm. at Kilmarnock, 24mm. at Strathpeffer and 22mm. at Eskdalemuir on the 31st, while a few stations had between 15mm. and 20mm. on various dates. Several sunshine records of between 8 and 9 hours were registered on November 2nd and the total amount for the week was above the normal at most stations. The departure of the mean duration from the normal for the week ranged from +2·8 hours at Durham to –1·0 hours at Newquay. Solar and lunar halos were witnessed in many places during the week. On the evening of October 31st the halo-producing stratum covered an area extending from Lancashire to the Channel Islands, from Dublin to London. A parhelion was seen at Ross-on-Wye on October 29th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	6	15	6·6	5	14	6·2	8	12	5·5	7	7	3·2	8	8	3·7	6	16	7·3	7	8	3·4	—	—	—
North	22	12	5·3	15	6	2·7	14	9	3·8	16	8	3·4	19	13	5·7	20	15	6·8	14	11	5·1	—	—	—
West	18	16	7·1	23	13	5·7	16	8	3·6	14	6	2·7	19	15	6·8	15	11	4·7	18	15	6·9	—	—	—
East	9	5	2·4	3	6	2·5	9	22	9·8	10	11	4·9	9	15	6·6	10	21	9·5	8	17	7·6	—	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	2	—	—	2	—	—	2	—	—	0	—	—	0	—	—	2	—	—	—	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England N.W. (*and N. Wales*)	**8.** England, S.W (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	—	—	Very Deficient
	Rainfall ..	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Heavy
	Sunshine ..	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	—	Abundan	Moderate	Very Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 9 weeks from Sept. 3rd, 1922.	Warmth ..	1, 4, 4	1, 4, 4	1, 5, 3	1, 5, 3	1, 5, 3	1, 2, 6	1, 4, 4	1, 5, 3	1, 4, 4	—	—	1, 5, 3
	Rainfall ..	1, 4, 4	1, 4, 4	2, 2, 5	2, 2, 5	2, 2, 5	1, 4, 4	1, 5, 3	1, 3, 5	1, 4, 4	—	—	2, 1, 6
	Sunshine ..	5, 2, 2	3, 3, 3	3, 2, 4	3, 3, 3	3, 3, 3	3, 4, 2	—	4, 2, 3	2, 4, 3	2, 4, 3	—	2, 4, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
SCOTLAND, N.																							
Lerwick	54	44	1st	30	4th	40·9	33·9	37·4	- 6·9	6	0·90	23	- 2										
p Deerness, Orkney	105	46	31st	31	4th	43·6	35·0	39·3	- 5·4	7	1·09	28	+ 4	Deerness	2·5	+0·8	29	—	—	—	—	—	—
a Islands t Stornoway	51	45	29, 31	27	31st	42·7	31·7	37·2	- 7·4	6	1·42	36	+ 2	Stornoway	2·7	+0·8	31	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	45	29.31,1	30	31,4	42·3	33·3	37·8	- 6·3	7	1·15	29	+10										
a Strathpeffer	125	45	29th	27	31st	41·2	31·1	36·1	- 7·5	4	1·40	36	+19										
b, Main- h Achnashellach	225	46	29, 30	26	31st	42·0	30·0	36·0	—	6	2·48	63	—	Achnashellach	—	—	—	6	20	—	—	—	—
land. h Inverness	242	45	29-31	30	4th	41·7	33·1	37·4	—	7	1·76	45	—	Inverness	3·0	—	33	4	25	—	—	—	—
a Fort Augustus	68	49	29th	25	29 31	42·0	27·9	34·9	- 9·1	5	1·06	27	+ 1										
p Fort William	171	45	1st	26	31st	41·9	30·6	36·3	- 8·6	6	3·11	79	+32										
1. SCOTLAND, E.																							
t Nairn	82	43	30, 31	28	31,4	40·6	32·0	36·3	- 7·2	7	1·00	25	+ 9	Nairn	2·5	—	29	—	—	—	—	—	—
p Gordon Castle	101	46	29, 30	29	4th	42·7	32·0	37·3	- 7·3	6	0·78	20	0	Gordon Castle	3·2	—	36	—	—	—	—	—	—
t Aberdeen	46	46	31st	30	4th	42·3	33·9	38·1	- 6·5	6	1·05	27	+ 7	Aberdeen	3·8	+1·6	42	6	20	—	—	47·8	- 0·5
a Balmoral	930	43	31st	18	31st	38·6	26·7	32·7	- 8·2	4	0·28	7	- 17	Balmoral	—	—	—	6	15	—	—	—	—
p Crieff	432	45	29, 31	26	29, 31	43·4	29·0	36·2	- 7·8	2	0·45	11	- 17	Crathes	3·2	+1·1	35	7	20	39·7	—	46·3	—
a Dundee	244	—	—	—	—	—	—	—	—	—	—	—	—	Dundee	—	—	—	—	—	—	—	—	—
t Inchkeith (F. of Forth)	190	48	31st	34	29th	44·1	36·4	40·3	—	3	0·44	11	—	Inchkeith (F. of Forth)	5·6	—	61	1	29	—	—	—	—
p Edinburgh	441	47	31st	30	4th	42·7	32·3	37·5	- 7·3	4	0·90	23	+ 7	Edinburgh	4·8	+2·5	52	6	23	—	—	—	—
a West Linton	769	44	31st	21	29, 31	40·0	25·9	32·9	- 8·0	7	0·50	13	—	West Linton	—	—	—	6	15	—	—	—	—
a Marchmont	498	44	31st	27	4th	41·9	31·7	36·8	- 6·7	6	0·66	17	- 6	Marchmont	3·4	+1·4	36	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	46	31st	22	30th	44·6	27·4	36·0	—	5	1·69	43	—	Ford (Argyll)	—	—	—	6	19	41·8	—	49·5	—
t Renfrew	49	48	31st	18	30th	45·3	27·9	36·6	—	3	1·18	30	—	Renfrew	4·7	—	51	6	10	—	—	—	—
p Rothesay	200	48	31st	31	29, 30	43·9	32·6	38·3	- 7·7	6	1·44	37	+ 7	Rothesay	5·3	—	57	6	22	40·9	—	47·9	- 1·3
a Kilmarnock	90	47	31st	22	30th	45·1	28·4	36·7	- 7·7	4	1·87	48	+25	Kilmarnock	4·2	—	46	—	—	39·5	—	48·5	—
a Colmonell	170	49	31st	25	31st	47·3	33·1	40·2	- 5·7	5	0·59	15	- 15	Colmonell	—	—	—	4	22	—	—	—	—
p Dumfries	160	48	1st	20	31st	44·6	32·4	38·5	- 6·7	2	0·75	19	- 4	Dumfries	3·7	—	39	5	18	42·7	- 2·8	48·3	- 1·4
t Eskdalemuir	794	43	31, 1	23	31st	40·9	31·0	35·9	—	6	1·44	37	—	Eskdalemuir	4·5	—	49	4	18	—	—	—	—
b, I. OF MAN h Douglas	284	50	31st	34	31,4	45·6	36·9	41·3	- 5·9	5	1·69	43	+13	Douglas	4·8	+2.1	51	2	29	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	48	30, 1	28	4th	44·0	32·9	38·5	- 5·5	4	0·42	11	- 6	Cockle Park	5·0	+2·6	54	7	21	39·2	- 4·3	46·0	- 1·5
t Tynemouth	118	46	29, 30	30	4th	44·0	36·4	40·2	- 5·8	3	0·26	7	- 7	Tynemouth	—	—	—	3	26	—	—	—	—
p Durham	336	47	31,,1	28	4th	44·4	32·6	38·5	- 6·3	5	0·61	15	0	Durham	4·8	+2·8	52	5	18	—	—	—	—
a North p Rounton	249	49	1st	25	4th	44·7	31·3	38·0	- 6·7	5	0·67	17	+ 3	Rounton	—	—	—	7	18	42·3	—	—	—
a West Witton	605	49	1st	29	4th	42·3	33·6	38·5	—	7	0·54	14	—	West Witton	—	—	—	5	24	39·7	—	47·0	—
h Scarborough	118	50	31, 1	33	4th	47·0	37·4	42·2	- 4·7	3	0·35	9	- 7	Scarborough †	4·8	+2·7	51	—	—	—	—	49·3	—
p York	56	50	1st	29	29th	45·7	33·9	39·8	- 6·1	4	0·37	9	- 4	York	3·9	+2·1	42	—	—	44·6	- 3·4	50·2	- 1·1
t Spurn Head	26	49	30, 1	35	4th	45·4	38·3	41·9	- 5·6	4	0·29	7	- 5	Spurn Head	3·1	—	33	—	—	—	—	—	—
b, South a Lincoln	58	51	1st	32	31, 4	46·4	34·1	40·3	- 5·4	4	0·36	9	- 3	Lincoln	—	—	—	2	30	41·3	- 5·1	49·9	- 1·5
t Cranwell	237	51	1st	30	29th	45·6	34·0	39·8	- 6·1	3	0·32	8	- 4	Cranwell	3·4	+1·1	36	3	25	—	—	—	—
														Skegness	3·7	+1·1	39	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	49	1, 4	33	3rd	47·0	36·3	41·7	- 6·0	2	0·22	6	- 9	Cromer	3·2	+0·6	34	—	—	—	—	—	—
a Little Massingham	277	48	1st	30	29th	44·1	33·4	38.7	- 6·8	4	0·54	14	- 4	Lit Massingham	3·3	+0·9	34	—	—	—	—	—	—
a, North t Yarmouth	13	49	31, 1	29	3rd	45·6	36·3	40·9	- 6·7	5	0·75	19	+ 2	Yarmouth	3·3	—	35	3	28	45·4	- 2·8	50·0	- 2·6
a Norwich	93	49	1st	31	29th	44·9	34·3	39·6	- 7·1	5	0·60	15	- 3	Norwich	3·3	—	35	6	24	40·7	—	—	—
a Geldeston	37	51	31st	33	2, 3	45·9	35·1	40·5	- 6·8	5	0·54	14	- 3	Geldeston	3·1	+0·5	33	—	—	—	—	—	—
p Cambridge	41	50	31st	28	29th	44·0	32·1	38·1	- 8·5	4	0.32	8	- 6	Cambridge	3·2	+0·5	33	6	21	43·1	- 4·8	50·5	- 2·1
t Clacton-on-Sea	54	49	1st	35	29, 2	45·3	37·9	41 6	- 6·2	3	0·69	17	+ 5	Clacton-on-Sea	3·5	+0·7	37	0	31	43·7	- 6·1	50·6	- 2·9
b, South a Rothamsted	420	51	1st	30	29th	44·4	33·9	39.1	- 7·0	4	0·72	18	0	Rothamsted	3·4	+0·8	35	6	23	41·9	—	—	—
p Tottenham	51	53	1st	32	29th	46·0	37·3	41·7	—	3	0·75	19	—	Tottenham	2·9	—	30	—	—	—	—	—	—
														Southend	3·0	—	31	1	30	44·0	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	49	1sf	29	4th	44·4	32·9	38·7	- 5·8	6	0·50	13	- 6	Harrogate	4 3	+2·1	46	4	23	42 3	- 4·0	46·8	- 1·8
a, North p Sheffield	429	51	1st	32	29th	45·6	35·3	40·5	—	6	0·61	16	—	Sheffield	3·3	+1·3	35	5	27	42·4	- 4·3	48·0	- 2·5
p Buxton	987	48	1st	28	4th	42·4	32·1	37·3	- 5·7	5	0·63	16	- 15	Buxton	2·3	—	25	5	24	39·3	- 5·0	47·9	- 1·6
a Worksop	56	52	1st	28	29th	48·1	32·4	40·3	- 5·2	5	0·39	10	- 5	Worksop	3·1	+1·1	33	6	19	41·9	—	48·1	—
t Nottingham	82	52	1st	33	2nd	46·3	35·4	40 9	- 4·7	3	0·20	5	- 9	Nottingham	2·7	+0 8	28	5	27	39·3	- 6·2	46·3	- 4·0
b, East p Birmingham, Edgbn.	525	51	1st	31	29th	44·7	33·9	39·3	- 6·5	4	0·45	11	- 5	Birmingham	1 9	+0 2	20	5	22	41·3	- 5·0	48·9	- 1·5
a Raunds	213	58	1st	28	29th	46 7	33·0	39·9	- 5·6	3	0·49	12	- 3	Raunds	3·2	—	34	7	23	42·9	—	—	—
p Oxford	208	54	1st	28	29th	46·7	34·4	40·5	- 6·0	5	0·59	15	- 1	Oxford	3·1	+0·6	33	5	23	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.)	646	49	1st	30	31, 4	44 3	32·1	38·2	- 6·4	4	0·48	12	- 7	Cheadle	—	—	—	6	25	—	—	—	—
c, West p Tenbury	313	52	1st	24	29th	45·7	32·1	38·9	- 6·7	3	0·49	12	- 3	Tenbury	—	—	—	6	20	41·9	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	3·0	—	32	4	22	41·5	—	49·2	—
a Clifton	225	54	1st	31	29th	46 0	34·9	40·5	- 7·0	6	1·36	35	+13	Clifton	3·3	—	35	3	28	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	53	1st	27	2nd	45·9	31·9	38·9	- 6·7	6	1·08	27	+ 4	Worthing	3·2	0·0	33	3	28	43·4	- 6·2	51·3	- 2·7
a Porton	363	54	1st	28	2nd	46·1	31·9	39·0	—	4	0·93	24	—	Marlborough	2·9	+0 6	30	5	23	41·8	—	50·1	—
a Wisley, Surrey	150	53	1st	28	29th	46.1	34 6	40·3	- 6·6	7	0·81	21	+ 3	Porton	3·1	—	32	6	23	39·5	—	—	—
h Tunbridge Wells	354	52	1st	30	2nd	45·6	33·7	39·7	- 7·8	5	1·15	29	+ 4	Wisley, Surrey	2·8	+0·3	29	6	15	42 0	- 5 9	48·9	- 3·1
h Margate	51	50	1st	56	3rd	45·4	38·3	41·9	- 7·3	5	0·83	21	+ 3	Tunbridge Wells	2·9	0 0	30	5	19	44·7	—	51·1	—
														Margate	2·8	+0·2	29	0	32	45·2	- 4·0	51·9	- 1·3
t Dungeness	21	52	1st	32	2nd	46·7	37·6	42·1	- 7·1	4	0·85	22	0	Folkestone	3·2	—	33	3	26	—	—	53·3	—
h St. Leonards	178	52	1st	32	2nd	46·1	35·9	41·0	- 8·3	6	1·17	30	+ 6	St. Leonards	3·0	- 0·2	31	4	25	44·7	—	52·3	—
p Southampton	64	54	1sf	31	29, 2	47·4	35·1	41·3	- 7·7	6	1·13	29	+ 4	Southampton	3·0	+0 2	31	4	21	—	—	—	—
a Ventnor	59	54	1st	56	29, 2	47·7	37·6	42·7	- 8·3	6	0·96	24	- 1	Ventnor	3·1	- 0·1	32	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	53	1st	33	29th	46·1	36·8	41·5	- 6·0	4	0·72	18	+ 1	Richmond	3·0	+0·7	31	4	22	42 3	- 5·2	50·2	- 2·0
a Westminster	27	54	1st	33	2nd	46·7	37·3	42·0	- 6·7	5	0·72	18	+ 2	Westminster	2·8	+1 2	29	2	26	—	—	—	—
a Greenwich	149	53	1st	32	29th	46·1	36·0	41·1	- 6·5	5	0·65	17	0	Greenwich	2·7	+0·3	28	4	24	—	—	—	—
a Hampstead	450	51	1st	31	29, 2	45·0	35·1	40·1	—	6	0·88	22	—	Hampstead	2·9	—	30	4	27	—	—	—	—
a Camden Square	110	53	1st	31	29th	47·0	36·7	41·9	- 6·1	5	0·82	21	+ 4	Camden Square	—	—	—	2	29	44·9	—	50·3	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	1st	27	4th	43·3	31·1	37·2	- 7·9	6	0·49	13	- 12	Aspatria	3 6	+1·1	38	4	21	42·2	- 3 6	47·9	- 1·6
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	48	1st	29	29th	45·0	32·9	38·9	- 6·4	5	1·08	27	- 1	Stonyhurst	3 6	+1·6	39	3	26	—	—	—	—
h Blackpool	66	50	31, 1	29	29, 31	48·0	35·6	41·8	- 4·7	4	0·92	23	+ 1	Blackpool	3·7	+1·3	39	3	14	44 8	—	50 2	—
h Southport	37	49	31, 1	28	29th	46 5	35·1	40·8	- 5 7	5	0·83	21	+ 1	Southport	3·4	+1·1	36	3	18	39·5	- 5·9	47·5	- 2·5
														Hoylake	3·0	+0·7	32	—	—	—	—	—	—
t Liverpool (Bidston)	188	50	1st	33	29, 30	46·0	36·0	41·0	- 6·0	5	0·61	15	- 3	Liverpool	2 9	—	31	3	26	—	—	—	—
a Hawarden Bridge	22	53	1st	32	29th	46·9	36 7	41·8	- 5·7	5	0·65	16	0	Manchester City	1·3	+0·2	14	1	29	40 5	- 6 2	49·6	- 2·8
p Manchester (Whit. Pk.)	125	50	1st	32	31, 4	46 3	35·4	40·9	- 5 8	4	0.42	11	- 7	„ Whit. Pk.	1·6	+0·4	17	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	50	1st	29	29th	47·0	34 7	40·9	- 7·7	4	0·49	12	- 8	Llandudno	2·6	+0·1	28	—	—	—	—	—	—
t Holyhead	15	54	1st	37	4th	48·1	41·7	44·9	- 4·0	4	0·91	23	- 2	Holyhead	3·9	—	42	0	34	—	—	—	—
a Aberdovey	60	52	31, 1	33	29th	48·6	37·7	43·1	—	4	0·65	17	—	Aberdovey	3·0	+0·3	32	3	26	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
a. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		m.	m.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	54	31st	32	4th	48·3	38·3	43·3	—	4	0·48	12	Aberystwyth	2·8	+0·1	29	—	—	—	—	—	—
a Rhayader	757	52	1st	28	29th	45·6	32·3	39·5	—	5	1·10	28	Rhayader ..	2·2	—	24	5	15	—	—	—	—
f Pembroke	149	53	1st	35	29th	47·4	40·1	43·7	- 5·9	6	1·09	28	Pembroke ..	3·1	+0·5	32	—	—	—	—	—	—
p Cardiff	202	54	1st	30	29th	46·7	34·6	40·7	- 6·0	6	1·35	34	Cardiff ..	3·3	—	34	5	26	42·2	- 5·8	50·5	- 2·1
b, ENGLAND, S.W.																						
h Bath	86	55	1st	30	29th	47·3	32·7	40·0	- 6·9	5	1·30	33	Bath	3·1	+0·6	32	—	—	44·4	—	51·4	—
a Shaftesbury	722	53	1, 2	28	29th	45·9	31·9	38·9	- 7·3	6	0·93	24	0	Shaftesbury ..	—	—	—	—	—	42·3	—	50·0	—
a Arlington	613	53	1st	32	30, 31	46·1	34·8	40·5	- 6·3	6	2·16	55	+15									
h Newquay	180	56	1st	33	30th	47·9	39·0	43·5	- 6·7	6	1·11	28	+ 3	Newquay ..	1·9	- 1·0	19	—	—	46·3	—	52·3	—
a Cullompton	202	55	1st	28	2nd	47·9	32·0	39·9	- 7·1	6	1·05	27	+ 2	Cullompton ..	2·3	+0·1	24	6	19	44·4	—	—	—
f Portland Bill	19	54	1st	34	30th	49·0	40·0	44·5	- 5·9	5	0·73	19	- 2	Weymouth ..	2·8	—	29	—	—	—	—	—	—
p Plymouth	116	55	1st	33	2nd	48·0	36·4	42·2	- 7·1	6	1·12	28	+ 3	Plymouth ..	2·0	- 0·7	21	3	28	44·4	- 5·5	51·9	—
h Falmouth	107	56	1st	34	30th	49·6	38·1	43·9	- 6·0	6	2·04	52	+19	Falmouth ..	2·0	- 0·9	20	3	27	45·3	—	51·9	—
9. IRELAND, N.																						
f Malin Head	71	47	31st	36	31st	44·9	38·4	41·7	- 5·5	6	1·08	27	+ 7	Malin Head ..	3·7	—	40	—	—	—	—	—	—
f Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—									
a, West .. a Mallaranny ..	120	51	31st	35	20, 3, 4	48·0	35·9	41·9	—	5	1·27	32	—	Mallaranny ..	4·5	—	48	6	23	—	—	—	—
p Markree Castle.. ..	122	50	31st	23	30th	48·0	29·7	38·9	- 6·4	5	0·82	21	- 5	Markree Castle	4·8	+2·4	51	6	19	44·8	- 3·7	50·2	- 2·0
b, East .. p Armagh..	204	48	31st	26	29th	45·4	30·7	38·1	- 7·3	3	0·41	10	- 7	Armagh ..	4·3	+1·9	46	6	18	43·5	- 4·2	49·5	- 1·7
f Donaghadee	35	50	31st	33	3rd	45·6	37·9	41·7	- 5·2	4	0·47	12	- 7									
10. IRELAND, S.																						
p Dublin City	54	54	1st	31	4th	47·3	35·3	41·3	- 6·5	3	0·20	5	- 11	Trinity Coll.	—	—	—	4	27	44·8	- 3·9	50·2	- 1·5
f Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Phœnix Park	5·1	+2·2	54	4	23	—	—	—	—
a, East .. a Kilkenny.. ..	195	55	31st	23	31st	47·3	30·3	38·8	- 7·3	5	0·46	12	- 7	Dublin City ..	—	—	—	5	25	—	—	—	—
a Waterford	137	54	31st	30	30, 4	47·4	32·7	40·1	- 7·5	5	0·92	23	0	Birr Castle ..	—	—	—	—	—	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	1st	30	31st	46·9	32·6	39·7	—	4	0·72	18	—	Seskin ..	4·2	—	45	5	26	—	—	—	—
b. West .. ? Poyntes	50	—	—	—	—	—	—	—	—	—	—	—	—									
f Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
f Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	4·2	+1·7	44	—	—	—	—	—	—
f Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—									
11. ENGLISH CHANNEL.																						
f Scilly, St. Mary's ..	131	55	1st	36	30th	49·7	41·3	45·5	- 5·9	7	1·22	31	+11	Scilly	2·8	- 0·2	29	—	—	—	—	—	—
f Jersey, St. Aubins ..	25	57	1st	32	29th	51·1	40·6	45·9	- 5·5	6	2·56	60	+35	St. Helliers ..	2·5	- 0·7	25	—	—	—	—	—	—
p Guernsey† ..	178	57	1, 3	36	29th	51·6	41·6	46·6	4·3	6	1·76	45	+19	Guernsey ..	2·6	- 0·3	26	0	32	46·6	- 5·5	53·1	- 2·7

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, November 4th, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Time.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h.	m.p.s. d hr.	m.p.h	m/s.	d. h. m.
0. SCOTLAND, N.																	
**Deerness (Cup Anr.) ..	148	16	5	1, 2, 3	23	31 to 3	21	77	50	3	6	290	51	23 2 11	—	—	— — —
1. SCOTLAND, E.																	
Dyce	305	75	15¶	—	0	—	0	23	81	56	8	290	17	8 1 17	46	20	1 16 35
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	1	8	61	83	16	0	310	32	14 1 16	54	24	1 17 20
Edinburgh	485	39	31	—	0	31, 1	10	94	49	15	0	210	31	14 31 23	50	22	1 2 50
6. a. SCOTLAND, W.																	
Eskdalemuir	625	50	22	—	0	31, 1, 2	14	76	56	22	0	290	29	13 1 19	41	18	1 19 15
Pahley	188	81	15	—	0	1	1	42	72	53	0	320	28	12 1 14	49	22	2 16 30
2. ENGLAND, N.E.												190 / 290	28	13 {1 7 / 2 13}	44	20	1 6 30
South Shields	72	61	12	—	0	1, 2	12	82	73	1	0						
Spurn Head	67	41	‡	1	3	29, 30, 1, 2, 4	52	89	24	0	0	160	41	18 1 9	59	26	1 9 30
3. ENGLAND, E.																	
Gorleston	52	42	‡	1	1	29, 30, 1	48	38	65	16	0	200	39	17 1 13	56	25	1 12 50
Shoeburyness	108	90	‡			Instrument	under	repair.									
4. MIDLAND COUNTIES.																	
Benson	270	84	‡	—	0	29, 1	9	81	63	15	0	180	33	15 1 8	47	21	1 8 55
5. ENGLAND, S.E.																	
Brighton	291	53	6	—	0	29, 1	11	65	64	9	19	—	31	14 1 10	54	24	1 12 10
Larkhill, Sly Plain ..	513	63	43	—	0	29, 30, 1, 4	30	100	38	0	0	210	38	17 1 10	50	22	1 10 5
Richmond (Kew Obs.) ..	82	65	22	—	0	29	4	42	03	29	0	80	28	13 29 11	49	22	29 11 20
Petersfield, (Stoner Hill)..	811	42	‡	—	0	29	2	63	80	11	12	50	25	11 29 16	45	20	29 11 20
7. a. ENGLAND, N.W.																	
Fleetwood (Cup Anr.) ..	109	44	—	1, 2	5	1, 2, 4	38	61	39	5	0	310	41	18 1 19	—	—	— — —
Southport	80	62	42	1	1	1, 2, 4	46	77	41	3	0	320	39	17 1 19	54	24	1 18 35
7. b. NORTH WALES.																	
Holyhead	64	45	‡	1	2	29 to 4	70	70	28	0	0	170	40	18 1 5	63	28	1 5 5
8. b. ENGLAND, S.W.																	
Pendennis Castle§ ..	256	65	24	29, 1	12	29 to 1, 3	38	38	61	19	0	210	47	21 1 6	65	29	1 5 10
Plymouth	185	88	2	1	7	29 to 1	14	51	74	15	7	—	47	21 1 7	60	27	1 5 45
Lyme Regis	554	59	‡	—	0	29, 30, 1	28	55	46	39	0	—	35	16 1 8	53	24	1 9 10
10. IRELAND, S.																	
Kingstown (Cup Anr.) ..	49	27	—	—	0	29, 30, 1, 2, 4	48	83	31	6	0	60	31	14 29 23	—	—	— — —
Quilty	100	40	‡	—	0	1	4	72	87	5	0	—	26	12 1 13	40	18	3 17 0
Cahirciveen (Val. Obs.) ..	98	41	‡	—	—	—	—	—	—	—	—	—	—	— — —	—	—	— — —
Weaver Pt.	160	30	‡	—	0	29, 30, 1	16	79	67	6	0	—	32	14 1 8	50	22	1 2 55
11. ENGLISH CHANNEL.																	
Scilly (Cup Anr.) ..	150	19	—	29	1	29 to 4	72	62	26	5	2	70	40	18 29 7	—	—	— — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. (*Vide* Guide to Tables of the W.W.R.) ¶ Above tops of trees. ‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Decrees the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FOURTH WEEK of 1922—October 29th to November 4th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	49	25	41·9	31·2	36 5	− 7·5	0	− 27	39	+28	6	+ 1	1·65	42	+ 9	2·7	+1·0	31	1000
Eastern.																			
1. SCOTLAND, EAST ..	48	18	41·7	30·9	36·3	− 7 5	0	− 28	40	+26	5	0	0·65	16	− 6	3·5	+1·5	39	1003
2. ENGLAND, N.E. ..	51	25	45·2	34·5	39·9	− 6·2	9	− 27	24	+17	4	0	0·41	10	− 5	4·3	+2·1	46	1005
3. ENGLAND, EAST ..	53	28	45·3	35·2	40 3	− 6·7	9	− 33	21	+15	4	0	0·57	14	− 2	3 2	+0·6	34	1006
4. MIDLAND COUNTIES	58	24	45·9	33·5	39·7	− 5·9	11	− 27	27	+18	4	0	0·55	14	− 4	3·1	+0·9	33	1006
5. ENGLAND, S.E. ..	54	27	46·3	35·3	40·8	− 7·6	12	− 37	20	+17	5	+ 1	0·96	25	+ 2	3·0	+0·2	31	1005
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	50	18	45·2	31·2	38·2	− 7·6	9	− 25	36	+28	4	− 1	1·32	34	+ 2	—	—	—	1005
7. ENGLAND, N.W. (*and North Wales*)	54	27	46·2	35·5	40·9	− 5·8	12	− 26	19	+14	5	0	0·69	17	− 7	3·2	+1·1	34	1006
8. ENGLAND, S.W. (*and South Wales*)	56	28	47·3	35·4	41·4	− 6·8	15	− 32	19	+16	6	+ 1	1·29	33	+ 4	2·4	− 0·1	25	1006
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·5	+2·1	48	1006
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	57	32	50·8	41·2	46·0	− 5·7	30	− 38	2	+ 2	6	+ 1	1·78	45	+21	2·6	− 0·5	27	1006
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, September 3rd to November 4th, 1922.

0. SCOTLAND, NORTH ..	68	24	52·9	41·3	46·9	− 1·7	386	− 79	77	+39	37	− 6	6·19	156	− 77	3·1	+ 0·2	28	1015
Eastern.																			
1. SCOTLAND, EAST ..	70	18	53·5	40·6	46·9	− 1·9	385	−107	77	+28	37	+ 2	4·32	109	− 38	3·2	− 0·1	28	1016
2. ENGLAND, N.E. ..	69	25	55·4	43·6	49·4	− 1·6	500	− 90	37	+17	34	+ 2	4·00	100	− 23	3·4	− 0·3	30	1016
3. ENGLAND, EAST ..	72	28	57·0	44·8	50·7	− 1·6	577	− 99	31	+10	31	0	4·12	104	− 16	4·3	+ 0·2	38	1016
4. MIDLAND COUNTIES	72	24	56·5	42·4	49·2	− 1·9	517	− 96	61	+26	25	− 6	3·18	80	− 48	3·3	− 0·2	29	1016
5. ENGLAND, S.E. ..	73	22	57·4	44·9	50·9	− 2·6	599	−138	37	+22	26	− 5	4·04	104	− 45	4·2	− 0·1	37	1016
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	18	55·4	42·0	48·5	− 1·7	468	− 84	60	+33	28	− 7	6·04	155	− 65	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	70	25	55·7	44·0	49·6	− 2·0	515	−104	31	+17	28	− 7	4·19	106	− 69	3·6	+ 0·1	32	1016
8. ENGLAND, S.W. (*and South Wales*)	71	27	56	45·1	50·6	− 2·3	579	−121	33	+22	24	− 12	5·00	128	− 68	4·0	0·0	35	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·3	0·0	29	1015
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	58·4	49·6	53·8	− 2·3	747	−144	2	+ 2	26	− 11	5·30	134	− 41	4·2	− 0·7	36	1015
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 44 Weeks, January 1st to November 4th, 1922.

0. SCOTLAND, NORTH ..	76	18	51·0	40·2	45·4	− 1 2	1606	−401	566	− 11	205	+ 1	35·39	899	−126	3·6	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	52 0	39·3	45·4	− 1·6	1738	−492	704	+38	183	+10	23·92	609	− 39	3·8	− 0·3	29	1011
2. ENGLAND, N.E. ..	84	12	54·5	41·6	47·8	− 0·9	2332	−235	546	+54	161	+ 5	21·55	547	+22	4·3	− 0·1	33	1013
3. ENGLAND, EAST ..	89	16	56·0	42·8	49·1	− 0·8	2651	−299	462	− 53	159	+ 8	22·14	562	+63	4·9	+ 0·1	37	1013
4. MIDLAND COUNTIES	86	11	55·8	41·2	48·2	− 1·1	2460	−389	557	0	157	+ 7	25·35	644	+87	4·1	− 0·2	31	1013
5. ENGLAND, S.E. ..	88	17	56·7	43·6	49·9	− 1·0	2784	−364	355	− 39	157	+10	23·55	600	+42	4·9	− 0·1	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·6	40·9	47·0	− 1·4	2042	−413	508	+65	177	− 3	36·26	925	− 25	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	54·0	42·6	48·1	− 1·3	2269	−412	391	− 5	162	− 3	26·70	679	− 46	4·3	0·0	33	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·6	43·6	49·4	− 1·2	2578	−392	301	− 11	165	0	30·57	781	− 1	4·7	− 0·1	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·9	0·0	30	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·0	47·7	52·2	− 0·7	3192	−289	52	− 53	167	− 3	27·47	699	+53	5·2	− 0·5	40	1014
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

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10th November, 1922.

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I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was, for the most part, of an unsettled type. Rain fell on several days and hail was reported at Newquay and also at Markree Castle (Sligo). Thunder was heard at one or two places and there was a good deal of mist or fog. Rainfall measurements of 20mm. and more were recorded at a number of stations in various parts of the country; amongst the largest being 43mm. at Rothesay (Bute), 30mm. at Ford (Argyll), 25mm. at Douglas on the 5th, 34mm. at Stonyhurst, 30mm. at Southport, 29mm. at Manchester, 27mm. at Burnley, and 26mm. at Buxton on the 6th, 29mm. at Fort William and 25mm. at Markree Castle on the 9th, and 33mm. at Crieff (Perth) on the 10th. The total amount of rainfall for the week was above the normal in most districts. Although the mean temperature for the week was generally below the normal the deviation was considerably less than on the two preceding weeks. Maxima above 55°F. were recorded at a number of stations, and in a few instances a maximum temperature of nearly 60°F. was registered. Screen minima below 32° F. were observed in several places the lowest readings being 22°F. at Marlborough (Wilts.) on the 5th and 24°F. at Balmoral on the 9th. Ground frosts occurred at nearly all stations; amongst the lowest readings of the thermometer on the grass were 12°F. at Rhayader (Radnor), 14°F. at Wisley (Surrey), 15°F. at Tunbridge Wells and 16°F. at Renfrew. Sunshine records of between 7 and 8 hours were obtained at a few stations on various dates, but in most districts the mean amount for the week was below the normal. The departure of the mean duration from the normal for the week ranged from +0·8 hours at Cockle Park (Morpeth) to −1·5 hours at Armagh. Solar halos were observed on the 5th, 8th and 9th in several places. Lunar halos were seen at Clacton on the 6th, at a number of stations in various parts of the country on the 7th and at Birmingham on the 9th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.			Edinburgh. Blackford Hill.			England, E. Gorleston.			London. Richmond.			North Wales. Holyhead.			England, S.W. Scilly.			Dublin. Kingstown.			Ireland, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	18	15	6·8	14	10	4·6	16	13	5·6	13	9	3·9	15	13	5·9	11	14	6·3	16	11	4·7	—	—	—
North	8	11	5·1	7	6	2·6	8	2	1·1	4	3	1·3	13	9	3·8	12	9	4·1	6	5	2·1	—	—	—
West	16	8	3·7	17	9	3 8	24	6	2·5	6	6	2 5	21	14	6·2	15	22	9·9	18	15	6·5	—	—	—
East	9	7	3·1	2	4	1·9	0	—	—	0	—	—	4	5	2·1	6	6	2·6	3	4	1·7	—	—	—
Calm (or wind-speed < 4 m.p.h.)	1	—	—	4	—	—	2	—	—	10	—	—	0	—	—	1	—	—	3	—	—	—	—	—
No record ...	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	2	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N	EASTERN SECTION					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	—	—	Heavy
	Sunshine ..	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	—	Moderate	Moderate	Very Scanty	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *10* weeks from Sept. 3rd, 1922.	Warmth ..	1, 4, 5	1, 5, 4	1, 6, 3	1, 6, 3	1, 6, 3	1, 3, 6	1, 5, 4	1, 6, 3	1, 5, 4	—	—	1, 6, 3
	Rainfall ..	1, 5, 4	2. 4, 4	2, 3, 5	2, 3, 5	2, 3, 5	2, 4, 4	2, 5, 3	2, 3, 5	2, 4, 4	—	—	3, 1, 6
	Sunshine ..	5, 3, 2	3, 4, 3	3, 3, 4	3, 3, 4	3, 4, 3	3, 5, 2	—	4, 3, 3	2, 5, 3	2, 4, 4	—	2, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m.m.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
SCOTLAND, N.																							
l Lerwick	54	48	10th	30	5th	46·0	37·4	41·7	- 2·2	7	1·93	49	+24										
p Deerness, Orkney	165	50	10th	35	5th	46·1	40·3	43·2	- 1·0	7	0·80	20	- 4	Deerness	1·2	- 0·2	14	—	—	—	—	—	—
a Islands *t* Stornoway	51	51	10th	30	9th	47·4	37·1	42·3	- 1·8	5	0·88	22	- 12	Stornoway	0·6	- 1·0	7	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	49	7th	29	5th	46·9	37·9	42·4	- 1·0	6	0·50	13	- 6										
a Strathpeffer	125	49	9th	29	5, 9	45·5	32·4	38·9	- 4·0	5	0·60	15	- 2										
b, Main- *h* Achnashellach	225	50	10th	27	9th	45·0	36·0	40·5	—	6	1·36	35	—	Achnashellach	—	—	—	1	22	—	—	—	—
land. *h* Inverness	242	50	8·10	30	5th	45·7	36·1	40·9	—	4	0·55	14	—	Inverness	1·5	—	18	3	27	—	—	—	—
a Fort Augustus	68	51	10th	25	10th	47·9	31·7	39·8	- 3·5	7	0·83	21	- 6										
p Fort William	171	49	7, 10	27	9th	46·7	37·0	41·9	- 2·3	6	2·12	54	+ 7										
1. SCOTLAND, E.																							
t Nairn	82	49	7th	30	9th	44·7	36·3	40·5	- 2·3	4	0·67	17	+ 2	Nairn	1·7	—	20	—	—	—	—	—	—
p Gordon Castle	101	50	7th	30	5, 9	47·1	36·4	41·7	- 2·1	3	0·74	19	0	Gordon Castle	1·8	—	21	—	—	—	—	—	—
t Aberdeen	46	50	7th	30	5th	46·4	38·9	42·7	- 1·1	4	1·06	27	+ 8	Aberdeen	1·8	- 0·3	21	3	22	—	—	45·8	- 1·5
a Balmoral	930	49	7th	24	9th	44·1	31·3	37·7	- 2·4	5	0·59	15	- 8	Balmoral	—	—	—	4	20	—	—	—	—
p Crieff	432	52	7th	30	5, 9	45·9	35·1	40·5	- 2·6	6	2·76	70	+43	Crathes	2·6	+0·5	30	4	22	39·5	—	44·6	—
a Dundee	244	—	—	—	—	—	—	—	—	—	—	—	—	Dundee	—	—	—	—	—	—	—	—	—
														Inchkeith (F. of Forth)	2·1	—	24	0	31	—	—	—	—
t Inchkeith (F. of Forth)	190	53	10th	37	5th	47·3	40·6	43·9	—	5	0·91	23	—										
p Edinburgh	441	52	10th	34	5, 9	46·9	38·1	42·5	- 1·4	5	0·76	19	+ 4	Edinburgh	2·0	- 0·3	23	2	29	—	—	—	—
a West Linton	769	51	10th	25	5th	46·7	32·7	39·7	- 0·1	7	0·85	22	—	West Linton	—	—	—	4	22	—	—	—	—
a Marchmont	498	51	7th	30	5th	46·9	35·1	41·0	- 1·6	5	0·51	13	- 8	Marchmont	1·7	- 0·2	20	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	50	7th	32	5 10	48·4	35 9	42·1	—	5	3·25	83	—	Ford (Argyll)	—	—	—	3	24	42·3	—	47·3	—
t Renfrew	49	53	7th	27	9th	47·6	35·4	41·5	—	5	1·23	31	—	Renfrew	1·3	—	14	4	16	—	—	—	—
p Rothesay	200	51	10th	36	5, 9	47·3	39·4	43·3	- 1·7	7	2·81	71	+40	Rothesay	0·8	—	10	3	26	42·1	—	46·0	- 2·2
a Kilmarnock	90	52	8, 10	27	9th	50 0	34·7	42·3	- 0·9	6	1·36	35	+12	Kilmarnock	1·0	—	11	—	—	41·3	—	46·7	—
a Colmonell	170	53	10th	32	9th	51·6	39·6	45·6	+0·8	6	2·65	67	+36	Colmonell	—	—	—	2	27	—	—	—	—
p Dumfries	160	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries	—	—	—	—	—	—	—	—	—
t Eskdalemuir	794	50	7 10	27	5th	45·6	34·6	40·1	—	5	1·52	39	—	Eskdalemuir	2·2	—	26	3	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	52	10th	35	5th	49·6	41·6	45·6	- 0·7	5	2·05	52	+22	Douglas	1·8	- 0.3	20	1	30	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	51	7th	30	5th	48·4	36·0	42·2	- 0·6	4	0·54	14	- 3	Cockle Park	3·0	+0·8	34	5	22	40·5	- 1·6	44·2	- 2·2
t Tynemouth	118	51	7, 10	33	5th	48·0	40·3	44·1	- 0·7	4	0·33	8	- 5	Tynemouth	—	—	—	1	28	—	—	—	—
p Durham	336	51	7th	30	5th	48·0	35·7	41·9	- 1·7	4	0·24	6	- 8	Durham	2·2	+0·3	25	2	20	—	—	—	—
a North *p* Rounton	249	51	7th	29	5th	47 9	35·6	41·7	- 1·8	4	0·31	8	- 6	Rounton	—	—	—	5	19	41·7	—	—	—
a West Witton	605	57	7th	30	5th	49·6	38·7	44·1	—	4	0 74	19	—	West Witton	—	—	—	2	23	39·6	—	45·2	—
h Scarborough	118	52	7th	33	5th	49·0	39·6	44·3	- 1·4	4	0·44	11	- 5	Scarborough †	1·3	- 0·6	14	—	—	—	—	46·5	—
p York	56	52	7, 10	31	5th	49·6	38·1	43·9	- 0·7	5	1·05	27	+14	York	2·1	+0 5	24	—	—	44·0	- 2 6	48·5	- 1·7
t Spurn Head	26	49	8th	36	5th	47·3	40·4	43 9	- 2 2	4	0·38	10	- 2	Spurn Head	1·6	—	18	—	—	—	—	—	—
b, South *a* Lincoln	58	53	7th	29	5th	50·3	38·3	44·3	- 0·1	4	0·67	17	+ 5	Lincoln	—	—	—	1	27	41·5	- 3·2	47·9	- 2·3
t Cranwell	237	52	7th	31	5th	49·7	37·1	43·4	- 1·0	4	0·69	18	+ 6	Cranwell	2·7	+0·5	29	2	26	—	—	—	—
														Skegness	1·6	- 0·8	18	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	52	8th	32	5th	49 3	37·1	43·2	- 2·9	4	0·19	5	- 8	Cromer	1·7	- 0·8	19	—	—	—	—	—	—
a Little Massingham	277	51	6th	29	5th	47·7	36·3	42·0	- 1·8	4	0·69	18	+ 2	Lit Massingham	1·6	- 0·7	17	—	—	—	—	—	—
a, North *t* Yarmouth	13	53	6, 8	30	5th	49 6	38·7	44·1	- 1·8	4	0·37	9	- 5	Yarmouth	1·7	—	19	2	26	44·3	- 2·1	48·1	- 3·2
a Norwich	93	53	6th	30	5th	48·9	37·1	43 0	- 1·9	4	0·58	15	0	Norwich	1·5	—	16	2	25	40·8	—	—	—
a Geldeston	37	56	6th	39	5th	50·2	35 6	42·9	- 2·8	4	0·40	10	- 4	Geldeston	1·8	- 0·7	20	—	—	—	—	—	—
p Cambridge	41	57	6th	27	5th	51·3	34·3	42·8	- 2·1	4	0.49	12	+ 1	Cambridge	1·6	- 0 9	17	5	18	43·2	- 2·9	48·7	- 2·6
t Clacton-on-Sea	54	51	7th	31	5th	48 3	39·9	44·1	- 1 9	4	0·65	16	+ 5	Clacton-on-Sea	2·2	- 0·6	24	2	27	43·3	- 4·8	48·4	- 3·9
b, South *a* Rothamsted	420	53	6th	27	5th	49·7	35·0	42·3	- 2·1	4	0·70	18	+ 3	Rothamsted	1·6	- 1·0	17	5	19	42·4	—	—	—
p Tottenham	51	56	6th	31	5th	51·6	40·3	45·9	—	3	0·72	18	—	Tottenham	1·3	—	14	—	—	—	—	—	—
														Southend	2·1	—	23	1	28	44·4	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	52	7th	31	5th	48·4	37·6	43·0	- 0·6	4	0·78	20	+ 2	Harrogate	2·7	+0·7	31	1	25	42 5	- 2·5	44·9	- 2·6
a, North *p* Sheffield	429	52	7, 8	35	5th	49·3	39·3	44·3	—	5	0·75	19	—	Sheffield	1·6	- 0·2	18	1	28	42·3	- 2·9	46·3	- 3·2
p Buxton	987	50	10th	30	5th	46·0	37·1	41·5	- 0·6	6	2·10	53	+24	Buxton	1·3	—	15	1	26	40·5	- 2·1	45·4	- 2·9
a Worksop	56	55	8th	29	5th	52·4	37·0	44·7	+0·1	4	0·59	15	+ 2	Worksop	2·3	+0·6	26	4	20	42·4	—	46·5	—
t Nottingham	82	54	7th	29	5th	50·3	37·9	44 1	- 0 5	4	0·61	15	+ 3	Nottingham	1·0	- 0 6	11	1	24	41·3	- 2·5	44·6	- 4·2
b, East *p* Birmingham, Edgbn.	525	52	7, 10	31	5th	49·6	37·9	43·7	- 1·1	5	0·72	18	+ 3	Birmingham	1·8	+0·3	19	1	26	42·9	- 2·2	48·0	- 1·7
a Raunds	213	54	6th	29	5th	51·1	35·9	43·5	- 0·7	4	0·46	12	- 1	Raunds	1·9	—	21	1	24	43·3	—	—	—
p Oxford	208	55	7th	29	5th	52·0	38·4	45·2	- 0 2	4	0·66	17	+ 2	Oxford	2·7	+0·5	29	4	23	—	—	—	—
														Malvern	2·8	—	31	1	28	42·3	—	46·9	—
a Cheadle (N. Staffs.)	646	50	10th	29	5th	48·3	37·3	42·8	- 0·8	6	1·15	29	+11	Cheadle	—	—	—	1	24	—	—	—	—
e, West *p* Tenbury	313	54	10th	26	5th	50·6	35·1	42·9	- 1·8	4	0 61	15	+ 1	Tenbury	—	—	—	4	21	42·9	—	—	—
a Hereford	291	54	7th	27	5th	51·4	35·9	43·7	- 1·2	4	0·61	15	0	Ross on Wye	2 6	—	28	1	20	43·4	—	47·9	—
a Clifton	225	54	10th	31	5th	51·1	39·4	45·3	- 1·2	6	1·20	30	+10	Clifton	2·7	—	29	2	27	—	—	—	—
5. ENGLAND, S.E.														Worthing	3·1	+0·2	33	1	25	44·5	- 3·2	49·9	- 2·9
a Marlborough	424	55	7, 10	22	5th	51·3	33·6	42·5	- 1·2	7	1·09	28	+ 8	Marlborough	1·6	- 0·4	17	3	25	43 2	—	48·8	—
a Porton	363	56	7th	26	5th	52 4	36 0	44 2	—	6	1·17	30	—	Porton	2·7	—	29	3	16	41·3	—	—	—
a Wisley, Surrey	150	57	6th	27	5th	52·4	37 4	44 9	0·0	5	0·89	23	+ 8	Wisley, Surrey	2·0	- 0·2	21	4	14	43·4	- 2·8	47·7	- 3·1
h Tunbridge Wells	354	54	6th	28	5th	50·7	38·1	44·4	- 1·0	4	0·96	24	+ 2	Tunbridge Wells	1·8	- 0·7	19	4	15	44·8	—	49 5	—
h Margate	51	56	6th	33	5th	50·0	41·0	45·5	- 1·6	4	0·40	10	- 6	Margate	2·0	+0·2	22	0	31	45·0	- 2·7	50·0	- 1·9
t Dungeness	21	55	7th	29	5th	51·0	41·1	46·1	- 1·1	4	0·83	21	+ 2	Folkestone	2·4	—	26	0	34	—	—	51·6	—
h St. Leonards	178	55	7th	30	5th	51·4	40·6	46·0	- 1·3	6	0·97	25	+ 4	St. Leonards	2 3	- 0·4	25	1	25	44·8	—	50·5	—
p Southampton	64	57	7th	27	5th	51·9	39·4	45·7	- 1·2	6	1·63	41	+20	Southampton	2·8	+0·4	30	2	18	—	—	—	—
a Ventnor	59	57	7th	35	5th	54·0	43·0	48·5	- 0·6	6	1·82	34	+12	Ventnor	3·1	+0 3	34	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	58	6th	30	5th	50·9	39·0	44·9	- 0 6	3	0·76	19	+ 4	Richmond	1·5	- 0 4	17	3	20	43·0	- 2·6	48·7	- 2·4
a Westminster	27	57	6th	29	5th	53·1	38·4	45·7	- 0 9	3	0·76	19	+ 5	Westminster	0·9	- 0·3	10	2	23	—	—	—	—
*a*e Greenwich	149	56	6th	29	5th	51·4	37·9	44·7	- 0·8	4	0·75	19	+ 4	Greenwich	1·0	- 1·0	10	3	21	—	—	—	—
a Hampstead	450	55	6th	29	5th	50·4	38·4	44·4	—	4	0·87	22	—	Hampstead	1·4	—	16	1	24	—	—	—	—
a Camden Square	110	58	6th	31	5th	52·9	38·7	45·8	- 0·1	3	0·84	21	+ 6	Camden Square	—	—	—	1	27	43·2	—	48·7	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	53	10th	34	5, 11	47·9	39·0	43·5	- 0 6	6	0·57	15	- 9	Aspatria	1·7	- 0·2	20	1	22	42·9	- 1·9	46 5	- 2·2
p Newton Rigg	559	56	7th	31	11th	48·7	36·6	42·7	+0·1	7	0·91	23	+ 3	Newton Rigg	2·2	+0·5	25	2	27	—	—	—	—
p Stonyhurst	375	52	10th	35	5th	49 9	39·4	44·7	+0·4	6	1·87	48	+22	Stonyhurst	1 8	+0 2	20	0	31	—	—	—	—
h Blackpool	66	53	10th	38	5th	49·4	42·3	45·9	+0·4	6	1·49	38	+17	Blackpool	2·5	+0·6	28	1	30	45 3	—	48 9	—
h Southport	37	54	10th	37	5th	48 7	41·1	44 9	- 0 6	6	1·73	44	+25	Southport	2·4	+0·6	27	1	30	42·4	- 1 6	46·2	- 2·5
														Hoylake	2 3	+0·4	26	—	—	—	—	—	—
t Liverpool (Bidston)	188	53	10th	37	5th	44·4	41·3	45·3	- 0·8	5	0·98	25	+ 9	Liverpool	2·5	—	28	0	31	—	—	—	—
a Hawarden Bridge	22	58	7th	35	5, 6	52·7	41·0	46·9	+0·4	4	0·61	15	+ 1	Manchester City	0·5	- 0·3	5	0	32	42·0	- 3·0	47·3	- 3·8
p Manchester (Whit. Pk.)	125	54	6th	31	5th	50·3	39·6	44·9	- 0 6	6	1.46	37	+21	„ Whit. Pk.	0·6	- 0·2	7	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	58	10th	31	5th	50·9	37·7	44·3	- 3·4	5	0·58	15	- 4	Llandudno	1·1	- 1·0	12	—	—	—	—	—	—
t Holyhead	15	59	10th	41	5th	51·3	45·6	48·5	+0·4	5	1·51	38	+14	Holyhead	1·0	—	11	0	35	—	—	—	—
a Aberdovey	60	55	9, 10	37	5th	53·4	43·6	48·5	—	6	1·25	32	—	Aberdovey	1·5	- 0·8	16	1	28	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *e* a Gleisher stand is used. † Earth temperature at 2 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.					°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	56	9,10	36	5th	53·4	43·3	48 3	—	6	0·90	23	—	Aberystwyth	Hr. 1·1	Hr. - 1·2	% 12	—	—	—	—	—	—
a Rhayader	757	54	10th	26	5th	50·0	35·7	42·9	—	7	1·60	41	—	Rhayader ..	1·7	—	19	4	12	—	—	—	—
t Pembroke	149	54	10th	41	5th	52·1	45·6	48·9	0·0	6	1·19	30	+ 4	Pembroke ..	1·5	- 0·7	17	—	—	—	—	—	—
p Cardiff	202	54	10th	31	5th	51·7	40·0	45·9	+0·4	6	1·69	43	+15	Cardiff ..	2·7	—	29	1	26	43·5	- 2·8	48·9	- 2·5
b, ENGLAND, S.W.																							
h Bath	66	55	10th	26	5th	51·9	37·9	44·9	- 0·8	5	0 92	23	+ 4	Bath	2·4	+0·2	26	—	—	44·9	—	49·7	—
a Shaftesbury	722	52	6,9,10	30	5th	50·3	38·6	44·5	- 0·6	6	1·09	28	+ 6	Shaftesbury ..	—	—	—	—	—	45·3	—	48·6	—
a Arlington	613	54	10th	32	5th	51·3	39·7	45 5	- 0·3	5	1·30	33	- 6										
h Newquay	190	56	10th	35	5th	52·1	45·1	48·6	- 0·8	5	1·33	34	+10	Newquay ..	1·3	- 1·3	14	—	—	48·3	—	51·3	—
a Cullompton	202	58	10th	26	5th	53·6	37·4	45·5	- 0·4	6	1·47	37	+13	Cullompton ..	2·0	- 0·1	21	2	19	45·7	—	—	—
t Portland Bill	19	55	6, 7, 9	40	5th	53·6	43·9	48·7	- 0·8	5	1·35	34	+15	Weymouth ..	2·8	—	30	—	—	—	—	—	—
p Plymouth	116	57	10th	31	5th	54·1	42·9	48·5	+0·1	6	1·90	48	+24	Plymouth ..	2·2	- 0·3	24	1	27	46·8	- 1·5	50·7	—
h Falmouth	167	56	10th	35	5th	53·7	44·9	49·3	+0·2	6	1·41	36	+ 4	Falmouth ..	2·1	- 0·5	23	1	26	48·4	—	51·0	—
9. IRELAND, N.																							
a, West .. *t* Malin Head	71	51	10th	35	9th	47·9	42·3	45·1	- 1·4	6	1·19	30	+ 9	Malin Head ..	0·6	—	6	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	54	6, 10	29	9th	50·9	38·7	44·8	+0·3	6	1·83	46	+19	Markree Castle	0·8	- 1·2	9	3	26	45·2	- 1·7	50·2	- 0·9
b, East .. *p* Armagh..	204	54	10th	31	9th	49·4	38·9	44·1	- 0·4	5	0·88	22	+ 4	Armagh ..	0·6	- 1·5	7	2	26	44·0	- 2·2	47·8	- 2·3
t Donaghadee	35	54	10th	34	5th	50·6	41·9	46·3	+0·2	4	0·71	18	- 1										
10. IRELAND, S.														Trinity Coll.	—	—	—	2	26	44·7	- 2·6	48·4	- 2·1
p Dublin City	54	55	10th	33	5th	50·9	40·7	45·8	- 1·1	5	0·24	6	- 12	Phœnix Park	2·0	- 0·3	23	3	24	—	—	—	—
t Birr Castle	175	55	10th	30	5th	50·7	39·4	45·1	+0·6	5	0·54	14	- 7	Dublin City ..	—	—	—	1	28	—	—	—	—
a, East .. *a* Kilkenny	195	54	9th	26	5th	51·7	34·7	43·2	- 1·9	6	1·00	25	+ 4	Birr Castle ..	—	—	—	3	22	—	—	—	—
a Waterford	137	54	8, 9	33	10th	52·9	38·1	45·5	- 1·1	5	1·15	29	+ 3										
p Seskin, Carrick-on-Suir	542	54	10th	32	5th	51·4	39·6	45·5	—	5	1·82	46	—	Seskin ..	2·9	—	31	3	24	—	—	—	—
b, West .. *a* Foynes	50	56	11th	35	9th	53·0	39·1	46·1	- 0·5	6	1·18	30	+ 3										
t Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	2·8	+0·8	31	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	56	10th	41	5th	53·7	47·3	50·5	+0·3	6	0·76	19	- 5	Scilly ..	2·5	- 0·2	27	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	57	6, 7, 9	33	5th	54·1	44·4	49·3	- 1·1	6	1·36	35	+ 5	St. Heliers ..	2·3	- 0·4	25	—	—	—	—	—	—
p Guernsey† ..	173	57	6th	36	5th	54·4	45·9	50·1	- 0·3	6	1·72	44	+13	Guernsey ..	2·6	0·0	27	1	28	48·1	- 2·5	52·0	- 2·6

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, November 11th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities: Highest Hourly Wind. Veer from N.	Speed.		Mid Time.		Highest Gust. Speed.		Time.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
0. SCOTLAND, N.																					
**Deerness (Cup Anr.) ..	188	16	5	10	7	4, 5, 6, 9, 10	27	69	56	9	0	160	45	20	10	4	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	11	75	82	0	160	16	7	10	3	40	18	10	2	55
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	32	108	28	0	180	21	9	10	3	43	19	10	3	5
Edinburgh	485	39	31	—	0	5, 6, 10	12	44	87	25	0	190	36	16	10	6	49	22	10	5	55
6. *a.* SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	10	3	44	72	49	0	320	29	13	10	20	42	19	10	21	15
Paisley	188	81	15	—	0	—	0	31	109	28	0	180	24	11	10	4	43	19	10	5	55
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	10	2	67	83	16	0	190	27	12	10	13	41	18	10	12	50
Spurn Head	67	41	‡	—	0	5, 6, 10, 11,	26	102	28	12	0	150	32	14	6	1	40	18	6	0	35
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	6, 10	19	31	95	20	3	190	34	15	6	3	46	21	6	2	50
Shoeburyness	103	90	‡			Instrument	under	repair.													
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	5, 6, 10	14	51	40	63	0	160	32	14	5	24	45	20	5	0	15
5. ENGLAND, S.E.																					
Brighton	261	53	6	—	0	5, 6	2	58	72	36	0	—	26	12	5	24	43	19	6	7	45
Larkhill, S'y Plain ..	513	63	43	—	0	5, 6, 7, 10	20	77	70	1	0	310	36	16	7	11	48	21	6	5	30
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	28	67	73	0	220	19	9	6	12	36	16	6	12	30
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	43	88	18	19	230	22	10	6	14	35	16	6	13	40
7. *a.* ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	6, 7, 10, 11	25	81	59	3	0	310	34	15	10	23	—	—	—	—	—
Southport	80	62	48	—	0	6, 7, 10	24	92	48	4	0	270	33	15	6	24	43	19	6	23	50
7. *b.* NORTH WALES.																					
Holyhead	64	45	‡	—	0	5, 6, 7, 9, 10, 11	59	66	42	1	0	260	34	15	6	18	50	23	6	16	45
8. *b.* ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	—	0	5, 6, 7, 9, 10	54	44	54	16	0	230	38	17	6	5	65	29	6	20	5
Plymouth	185	88	2	—	0	5, 6, 7, 9, 10	35	44	64	25	0	—	37	17	10	8	47	21	6	8	20
Lyme Regis	554	59	‡	—	0	6	1	62	47	58	0	—	25	11	6	7	38	17	6	9	40
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	5, 6, 7, 10	26	80	45	17	0	260	32	14	6	17	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	5, 6, 7, 9	34	65	55	14	0	—	37	17	6	20	53	24	6	20	15
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	80	‡	—	0	5, 9, 10	18	64	72	14	0	—	34	15	10	5	45	20	10	5	30
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	6, 7	20	5, 6, 7, 9, 10	38	48	50	3	9	280	49	22	7	2	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1922—November 5th to November 11th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	51	25	46·5	35·6	41·1	− 2·2	13	− 10	19	+ 6	6	+ 1	1·17	30	− 3	1·1	− 0·3	13	1003
Eastern.																			
1. SCOTLAND, EAST ..	53	24	46·1	35·8	40·9	− 1·7	11	− 12	19	+ 2	5	0	1·01	26	+ 6	1·9	0·0	23	1005
2. ENGLAND, N.E. ..	53	29	48·7	37·9	43·3	− 1·4	21	− 8	11	+ 1	4	0	0·52	13	− 1	2·1	+0·1	24	1008
3. ENGLAND, EAST ..	57	27	49·6	37·1	43·4	− 1·9	24	− 10	14	+ 4	4	0	0·53	13	0	1·7	− 0·8	18	1011
4. MIDLAND COUNTIES	55	26	50·5	37·2	43·9	− 0·6	27	− 4	13	0	5	+ 1	0·74	19	+ 2	2·2	+0·2	24	1010
5. ENGLAND, S.E. ..	57	22	51·6	38·9	45·3	− 1·0	32	− 9	9	+ 2	5	+ 1	1·00	25	+ 4	2·3	− 0·1	24	1011
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	53	27	49·1	37·8	43·4	− 1·3	22	− 7	12	+ 3	6	+ 1	2·22	57	+23	—	—	—	1006
7. ENGLAND, N.W. (*and North Wales*)	59	31	50·0	40·2	45·1	− 0·6	27	− 6	5	− 2	6	+ 1	1·12	29	+ 6	1·9	+0·1	21	1007
8. ENGLAND, S.W. (*and South Wales*)	58	26	52·2	40·7	46·5	− 0·7	35	− 8	4	− 1	6	+ 1	1·39	35	+ 7	1·8	− 0·5	20	1010
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·7	− 1·3	8	1005
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	57	33	54·1	45·9	50·0	− 0·9	56	− 7	0	0	6	+ 1	1·28	33	+ 5	2·5	− 0·2	26	1012
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, September 3rd to November 11th, 1922.

0. SCOTLAND, NORTH ..	68	24	52·3	40·8	46·3	− 1·8	399	− 89	96	+45	43	− 5	7·36	186	− 80	2·9	+ 0·2	27	1014
Eastern.																			
1. SCOTLAND, EAST ..	70	18	52·8	40·1	46·3	− 1·9	396	−119	96	+30	42	+ 2	5·33	135	− 32	3·1	− 0·1	28	1015
2. ENGLAND, N.E. ..	69	25	54·8	43·1	48·7	− 1·7	521	− 98	48	+18	38	+ 2	4·52	113	− 24	3·3	− 0·2	29	1015
3. ENGLAND, EAST ..	72	27	56·3	44·0	49·9	− 1·7	601	−109	45	+14	35	0	4·65	117	− 16	4·1	+ 0·2	36	1015
4. MIDLAND COUNTIES	72	24	55·9	41·9	48·7	− 1·7	544	−100	74	+26	30	− 5	3·92	99	− 46	3·2	− 0·2	29	1015
5. ENGLAND, S.E. ..	73	22	56·8	44·3	50·4	− 2·3	631	−147	46	+24	31	− 4	5·04	129	− 41	4·0	− 0·1	36	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	18	54·8	41·5	48·0	− 1·7	490	− 91	72	+36	34	− 6	8·26	212	− 42	—	—	—	1015
7. ENGLAND, N.W. (*and North Wales*)	70	25	55·1	43·6	49·1	− 1·9	541	−111	39	+18	34	− 6	5·30	135	− 63	3·5	+ 0·2	31	1015
8. ENGLAND, S.W. (*and South Wales*)	71	26	56·2	44·7	50·2	− 2·1	614	−129	37	+21	30	− 11	6·39	163	− 61	3·8	0·0	34	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·0	− 0·2	27	1014
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	57·9	49·2	53·4	− 2·2	803	−151	2	+ 2	32	− 10	6·58	167	− 36	4·0	− 0·6	35	1015
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 45 Weeks, January 1st to November 11th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·9	40·1	45·3	− 1·2	1619	−411	585	− 5	211	+ 2	36·56	929	−129	3·5	+ 0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·8	39·2	45·3	− 1·6	1749	−504	723	+40	188	+10	24·93	635	− 33	3·8	− 0·2	29	1010
2. ENGLAND, N.E. ..	84	12	54·3	41·6	47·7	− 0·9	2353	−243	557	+55	165	+ 5	22·07	560	+21	4·2	− 0·2	33	1012
3. ENGLAND, EAST ..	89	16	55·9	42·6	49·0	− 0·8	2675	−309	476	− 49	163	+ 8	22·67	575	+63	4·8	0·0	37	1013
4. MIDLAND COUNTIES	86	11	55·7	41·1	48·1	− 1·1	2487	−393	570	0	162	+ 8	26·09	663	+89	4·0	− 0·2	31	1013
5. ENGLAND, S.E. ..	88	17	56·6	43·5	49·8	− 1·0	2816	−373	364	− 37	162	+11	24·55	625	+46	4·8	− 0·2	38	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·5	40·8	46·9	− 1·5	2064	−420	520	+68	183	− 2	38·48	982	− 2	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·9	42·5	48·0	− 1·3	2295	−419	399	− 4	168	− 2	27·81	708	− 40	4·3	0·0	33	1012
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·5	43·6	49·3	− 1·2	2613	−400	305	− 12	171	+ 1	31·96	816	+ 6	4·6	− 0·1	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·8	− 0·1	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	57·0	47·7	52·1	− 0·8	3248	−296	52	− 53	173	− 2	28·75	732	+58	5·1	− 0·6	40	1014
MEAN: DISTRICTS 1-10 ..	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
17th November, 1922.

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METEOROLOGICAL OFFICE
27 NOV 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 46.

FORTY-SIXTH WEEK.
SUNDAY, NOVEMBER 12TH, TO SATURDAY, NOVEMBER 18TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the past week the British Isles were covered by a large anticyclone, pressure being persistently high and reaching 1044mb. on the 16th. Fairly clear weather was experienced in Scotland and Ireland, but in most parts of England fog prevailed on several days, in fact in the London area the fog was persistent from the 12th to the 16th. There was a certain amount of rain in the north-west at the beginning of the week—at Achnashellach (Ross-shire) 15mm. on the 12th and 9mm. on the 13th. Otherwise practically the only precipitation was in the form of wet fog. Mean temperature for the week was above the normal in Scotland and Ireland, but in most of the English districts it was below. Maximum temperatures of 58°F. were recorded at Durham and Birr Castle (King's Co.) but over the British Islands generally the readings varied between 50° and 55°F. The lowest of the screen minimum temperatures (22°F.) were registered at Tenbury (Worcester) on the 12th and at Marlborough (Wilts) and Porton (Salisbury Plain) on the 14th. Ground frosts were recorded in most places, the lowest reading of the grass thermometer being 14°F. at Rhayader (Radnor) on the 12th. The mean daily range of temperature varied a good deal, the range in some parts of England being nearly 20°F., while at one or two of the Scottish and Irish stations it was only 5° or 6°F. At a few stations sunshine records of between 7 and 8 hours were obtained on various dates, the largest amounts being 7·9 hours at Guernsey on the 16th. On the other hand in Central London the sun was persistently obscured, no trace whatever appearing on the record at St. James's Park and only 0·1 hour at Greenwich. The departure of the mean duration from the normal for the week ranged from +2·6 hours at Cranwell and Plymouth to −1·8 hours in London (Greenwich). Solar halos were observed at Oxford on the 13th and 18th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	16	10	4·4	10	8	3·6	0	—	—	1	2	0·8	12	8	3·7	2	2	1·1	3	3	1·4	12	8	3·7
North	9	9	3·9	7	6	2·8	15	4	1·9	6	6	2·5	13	9	4·2	14	6	2·7	12	5	2·1	9	7	3·2
West	26	11	5·1	25	14	6·4	15	5	2·2	5	3	1·4	24	8	3·4	2	4	1·9	17	11	4·8	4	2	1·1
East	0	—	—	1	4	1·9	1	7	3·3	1	5	2·3	2	3	1·5	17	7	3·3	0	—	—	14	3	1·3
Calm (or wind-speed < 4 m.p.h.)	1	—	—	1	—	—	11	—	—	21	—	—	2	—	—	4	—	—	11	—	—	7	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	4	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W. (*and I. of Man*).	**7.** England. N.W. (*and N. Wales*).	**8.** England, S.W. (*and S. Wales*).	**9.** Ireland, N.	**10.** Ireland, S.	**11.** Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ...	Warmth ..	Very Unusual	Very Unusual	Moderate	Deficient	Moderate	Deficient	Unusual	Unusual	Deficient	—	—	Deficient
	Rainfall ..	Light	Light	Very Light	Light	Very Light	Very Light	Very Light	Very Light	Very Light	—	—	Nought
	Sunshine ..	Abundant	Abundant	Very Abundant	Moderate	Moderate	Moderate	—	Moderate	Moderate	Scanty	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *11* **weeks from Sept. 3rd, 1922.**	Warmth ..	**2, 4, 5**	**2, 5, 4**	**1, 7, 3**	**1, 6, 4**	**1, 7, 3**	**1, 3, 7**	**2, 5, 4**	**2, 6, 3**	**1, 5, 5**	—	—	**1, 6, 4**
	Rainfall ..	**1, 5, 5**	**2, 4, 5**	**2, 3, 6**	**2, 3, 6**	**2, 3, 6**	**2, 4, 5**	**2, 5, 4**	**2, 3, 6**	**2, 4, 5**	—	—	**3, 1, 7**
	Sunshine ..	**6, 3, 2**	**4, 4, 3**	**4, 3, 4**	**3, 4, 4**	**3, 5, 3**	**3, 6, 2**	—	**4, 4, 3**	**2, 6, 3**	**2, 4, 5**	—	**2, 6, 3**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.			12,																			
l Lerwick	54	50	14, 16	38	18th	48·6	42·6	45·6	+3·3	6	0·47	12	- 11									
p Deerness, Orkney ..	165	51	13th	41	14, 15	49·6	43·0	46·3	+3·8	7	0·36	9	- 12	Deerness ..	1·8	+0·6	23	—	—	—	—	—	—
a Islands *l* Stornoway	51	53	16th	34	15th	50·3	44·4	47·3	+4·8	6	0·73	19	- 12	Stornoway ..	0·9	- 0·5	11	—	—	—	—	—	—
l Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
l Wick	81	52	16th	37	15, 16	49·7	42·4	46·1	+4·4	6	0·22	5	- 12									
a Strathpeffer	125	55	13th	34	15th	51·8	41·0	46·4	+5·2	4	0·16	4	- 12									
b, Main- *h* Achnashellach ..	225	53	11th	31	15th	50·3	43·3	46·8	—	7	1·52	39	—	Achnashellach	—	—	—	1	26	—	—	—	—
land. *h* Inverness	242	53	14, 16	—	—	51·4	—	—	—	4	0·16	4	—	Inverness ...	1·3	—	16	0	32	—	—	—	—
a Fort Augustus	68	56	13th	30	15th	52·4	39·0	45·7	+4·2	1	0·10	3	- 21									
p Fort William	171	55	14th	33	15th	51·4	43·3	47·3	+4·9	6	0·62	16	- 26									
1. SCOTLAND, E.																						
l Nairn	82	54	16th	32	15th	51·1	43·9	47·5	+7·0	6	0·20	5	- 9	Nairn ..	1·4	—	18	—	—	—	—	—	—
p Gordon Castle	101	55	12, 14, 16	35	15th	52·4	40·9	46·7	+5·2	5	0·24	6	- 10	Gordon Castle	1·8	—	23	—	—	—	—	—	—
l Aberdeen	46	57	14th	33	16th	51·7	39·9	45·8	+4·4	4	0·13	3	- 14	Aberdeen ..	2·6	+0·8	33	3	26	—	—	45·1	- 1·1
a Balmoral	930	53	14th	26	15th	50·3	34·6	42·5	+4·8	3	0·20	5	- 16	Balmoral	—	—	—	3	22	—	—	—	—
p Crieff	482	55	14th	36	15th	52·3	41·0	46·7	+6·0	0	0·00	0	- 25	Crathes ..	2·9	+1·1	36	4	24	40·8	—	44·0	—
a Dundee	244	54	14th	32	12th	50·7	39·5	45·1	+4·5	1	0·02	1	- 13	Dundee ..	—	—	—	—	—	—	—	—	—
														Inchkeith (F. of Forth)	2·2	—	27	0	34	—	—	—	—
l Inchkeith (F. of Forth)	190	52	13, 14, 17	41	12th	50·4	45·0	47·7	—	0	0·00	0	—									
p Edinburgh	441	54	13th	40	15th	50·9	44·3	47·6	+6·1	1	0·02	1	- 11	Edinburgh ..	2·1	+0·1	26	0	31	—	—	—	—
a West Linton	769	52	13, 14	29	15th	49·4	36·0	42·7	+5·5	5	0·10	3	—	West Linton ..	—	—	—	3	24	—	—	—	—
a Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—	Marchmont ..	—	—	—	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	—	—	—	—	—	—	—	—	—	—	—	—	Ford (Argyll) ..	—	—	—	—	—	—	—	—	—
l Renfrew	49	55	17th	38	15th	50·9	44·9	47·9	—	2	0·07	2	—	Renfrew ..	0·8	—	10	2	28	—	—	—	—
p Rothesay	200	53	14th	41	15th	50·1	44·0	47·1	+4·3	5	0·32	8	- 17	Rothesay ..	0·7	—	8	0	33	44·6	—	46·1	- 1·2
a Kilmarnock	90	54	17th	32	12th	51·6	41·7	46·7	+5·9	2	0·13	3	- 16	Kilmarnock ..	0·7	—	8	—	—	44·1	—	46·2	—
a Colmonell	170	55	14th	36	15th	51·6	42·9	47·3	+4·8	3	0·13	3	- 21	Colmonell ..	—	—	—	0	31	—	—	—	—
p Dumfries	160	55	14th	34	12th	50·9	42·0	46·5	+5·0	1	0·04	1	- 16	Dumfries ..	1·8	—	21	2	27	44·5	+2·3	46·2	- 0·9
l Eskdalemuir	794	52	14th	26	12th	48·3	38·9	43·6	—	4	0·20	5	—	Eskdalemuir ..	1·3	—	16	2	23	—	—	—	—
b, I. OF MAN *h* Douglas	284	55	14th	39	12th	50·6	44·3	47·5	+3·3	2	0·11	3	- 20	Douglas ..	1·6	- 0.7	18	0	38	—	—	—	—
2. ENGLAND, N.E.																						
p Cockle Park	324	55	14th	31	12th	50·9	39·0	44·9	+4·1	0	0·00	0	- 16	Cockle Park ..	4·0	+1·8	47	4	21	42·5	+2·2	44·4	- 0·8
l Tynemouth	118	56	14th	33	12th	50·0	41·7	45·9	+3·1	0	0·00	0	- 13	Tynemouth ..	—	—	—	1	29	—	—	—	—
p Durham	336	58	14th	26	12th	51·1	35·1	43·1	+1·6	1	0·01	0·3	- 14	Durham ..	4·3	+2·4	51	4	21	—	—	—	—
a North .. *p* Rounton	249	54	14th	29	12th	49·9	36·0	42·9	+1·5	0	0·00	0	- 14	Rounton ..	—	—	—	7	18	41·9	—	—	—
a West Witton	605	52	15, 17	28	12th	50·0	39·4	44·7	—	0	0·00	0	—	West Witton ..	—	—	—	2	23	40·8	—	44·8	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	52	17th	31	12, 16	48·1	35·7	41·9	- 0·6	1	0·01	0·3	- 13	York ..	3·2	+1·8	38	—	—	43·3	- 1·5	47·6	- 1·4
f Spurn Head	26	50	15th	36	13th	48·0	39·7	43·9	- 0·1	1	0·09	2	- 10	Spurn Head ..	2·0	—	23	—	—	—	—	—	—
b, South .. *a* Lincoln	58	51	15th	30	16th	48·0	33·1	40·5	- 1·7	0	0·00	0	- 12	Lincoln ..	—	—	—	5	29	40·1	- 2·6	46·9	- 1·9
l Cranwell	237	51	17th	31	12, 16	47·9	34·9	41·4	- 0·9	2	0·02	1	- 11	Cranwell ..	4·6	+2·6	53	4	25	—	—	—	—
														Skegness ..	3·5	+1·2	41	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	52	14th	32	14th	48·9	38·6	43·7	- 0·2	4	0·06	2	- 12	Cromer ..	4·6	+2·5	53	—	—	—	—	—	—
a Little Massingham ..	277	48	15, 16, 18	31	16, 17	46·7	34·9	40·8	- 0·8	5	0·19	5	- 12	Lit Massingham	3·4	+1·5	40	—	—	—	—	—	—
a, North .. *l* Yarmouth	13	51	17th	31	14th	48·3	38·3	43·3	- 0·4	1	0·05	1	- 14	Yarmouth ..	3·4	—	39	2	29	44·4	- 0·2	47·9	- 2·0
a Norwich	98	50	15th	27	14th	47·4	34·7	41·1	- 1·6	2	0·08	2	- 15	Norwich ..	3·1	—	36	4	22	40·8	—	—	—
a Geldeston	37	52	13, 17, 18	26	14th	49·1	31·1	41·6	- 1·8	3	0·09	2	- 13	Geldeston ..	3·2	+1·0	37	—	—	—	—	—	—
p Cambridge	41	52	18th	24	14th	48·4	31·9	40·1	- 2·6	1	0.02	0·4	- 12	Cambridge ..	2·3	+0·1	26	6	19	42·2	- 1·9	47·8	- 2·1
b, South .. *l* Clacton-on-Sea ..	54	51	18th	32	14, 15	46·7	38·0	42·3	- 1·4	1	0·05	1	- 11	Clacton-on-Sea	1·7	- 0·7	19	1	29	43·7	- 2·5	48·0	- 2·9
a Rothamsted	420	50	18th	24	14th	47·1	31·3	39·2	- 3·1	0	0·01	0·3	- 17	Rothamsted	2·5	+0·2	28	5	18	41·3	—	—	—
p Tottenham	51	53	12th	30	14th	46·4	37·0	41·7	—	0	0·00	0	—	Tottenham ..	0·8	—	9	—	—	—	—	—	—
														Southend ..	0·8	—	9	1	28	44·5	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	53	17th	32	12th	48·6	39·4	44·0	+2·7	0	0·01	0·2	- 14	Harrogate ..	4·3	+2·3	50	1	27	42·6	- 0·8	44·8	- 1·5
a, North .. *p* Sheffield	429	55	14th	32	12th	50·7	37·9	44·3	—	1	0·01	0·2	—	Sheffield ..	2·8	+1·0	33	3	26	41·0	- 2·5	45·6	- 2·8
p Buxton	987	50	13th	27	12th	46·6	37·7	42·1	+2·3	1	0·01	0·3	- 23	Buxton ..	1·5	—	17	2	23	41·2	+0·3	45·2	- 2·2
a Worksop	56	55	17th	27	12th	51·3	32·7	42·0	- 0·2	1	0·01	0·3	- 10	Worksop ..	2·9	+1·2	35	7	20	40·7	—	45·7	—
l Nottingham	82	52	18th	25	12th	48·3	32·9	40·6	- 1·6	0	0·00	0·1	- 9	Nottingham ..	1·7	+0·2	19	4	23	38·9	- 2·8	43·8	- 3·5
b, East .. *p* Birmingham, Edgbsn...	525	50	17, 18	33	12, 16	48·6	37·7	42·9	+0·5	2	0·02	1	- 11	Birmingham	0·7	- 0·7	8	5	16	43·1	- 0·6	47·6	- 1·3
a Raunds	213	51	18th	25	14th	48·9	30·3	39·6	- 1·9	2	0·02	1	- 9	Raunds ..	3·3	—	38	5	22	41·9	—	—	—
p Oxford	208	52	18th	26	14th	46·3	34·9	40·6	- 2·3	2	0·02	1	- 10	Oxford ..	1·9	- 0·3	21	5	20	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.) ..	646	51	14th	31	12th	47·0	37·7	42·3	+1·1	1	0·01	0·2	- 15	Cheadle	—	—	—	2	26	—	—	—	—
e, West .. *p* Tenbury	313	54	18th	22	12th	49·0	32·3	40·7	- 1·7	0	0·00	0	- 11	Tenbury ..	—	—	—	5	19	42·1	—	—	—
a Hereford	291	54	18th	25	12th	48·0	32·3	40·1	- 2·4	0	0·00	0	- 12	Ross on Wye	1·5	—	17	4	20	42·1	—	47·5	—
a Clifton	225	55	18th	30	13th	46·1	35·0	40·5	- 3·6	0	0·00	0·1	- 16	Clifton ..	1·7	—	19	2	29	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	53	18th	22	14th	48·3	30·0	39·1	- 2·9	1	0·02	1	- 15	Worthing ..	3·2	+0·3	35	1	28	43·8	- 1·7	49·2	- 2·3
a Porton	363	52	18th	22	14th	48·0	30·3	39·1	—	1	0·01	0·3	—	Marlborough	1·7	- 0·2	20	—	—	42·2	—	48·2	—
a Wisley, Surrey ..	150	52	18th	28	14th	46·6	33·1	39·9	- 3·3	3	0·04	1	- 10	Porton	2·2	—	25	5	17	39·7	—	—	—
h Tunbridge Wells ..	354	51	18th	28	14th	46·9	35·9	41·4	- 2·2	0	0·00	0	- 18	Wisley, Surrey	1·6	- 0·5	18	4	20	42·3	- 2·0	47·3	- 2·2
h Margate	51	49	15, 18	37	17, 18	47·1	39·6	43·3	- 2·0	0	0·00	0	- 12	Tunbridge Wells	1·3	- 1·2	15	4	22	45·1	—	48·9	—
														Margate ..	0·6	- 1·5	6	0	32	46·7	+0·6	49·7	- 0·8
l Dungeness	21	51	12th	31	15th	48·9	38·3	43·6	- 1·9	0	0·00	0	- 14	Folkestone ..	1·0	—	11	0	34	—	—	50·9	—
h St. Leonards	178	51	12, 18	34	15, 17	48·7	39·3	44·0	- 1·6	2	0·02	1	- 15	St. Leonards ..	1·1	- 1·6	12	0	31	45·7	—	49·9	—
p Southampton	64	54	18th	30	14th	47·7	35·7	41·7	- 3·5	0	0·00	0	- 16	Southampton	1·8	- 0·6	20	3	21	—	—	—	—
a Ventnor	59	56	18th	36	15, 17	51·0	39·0	45·0	- 1·4	0	0·00	0	- 17	Ventnor ..	3·1	+0·3	35	—	—	—	—	—	—
LONDON *l* Richmond (Kew Obs.)	18	52	18th	31	14th	44·6	36·0	40·3	- 3·5	0	0·02	1	- 10	Richmond	0·8	- 1·9	9	4	25	41·7	- 2·1	48·2	- 1·6
a Westminster	27	53	18th	31	14th	46·4	35·0	40·7	- 4·1	0	0·00	0	- 11	Westminster	0·0	- 1·1	0	2	28	—	—	—	—
a: Greenwich ..	149	51	18th	29	14th	46·4	35·3	40·9	- 2·9	0	0·00	0	- 12	Greenwich ..	0·1	- 1·8	1	4	26	—	—	—	—
a Hampstead	450	50	18th	30	14, 16	45·3	36·9	41·1	—	1	0·01	0	—	Hampstead ..	1·1	—	12	2	29	—	—	—	—
a Camden Square ..	110	52	18th	34	16th	47·0	36·6	41·8	- 2·3	0	0·00	0	- 12	Camden Square	—	—	—	1	30	43·3	—	48·1	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate) ..	487	55	14th	37	12th	49·9	42·1	46·0	+4·3	1	0·05	1	- 20	Aspatria	1·8	- 0·4	23	0	31	45·0	+1·7	46·7	- 1·2
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	18th	30	12th	48·3	37·7	43·0	+1·1	2	0·08	2	- 21	Stonyhurst ..	1·0	- 0·7	12	1	27	—	—	—	—
h Blackpool	66	52	13th	32	16th	49·6	40·6	45·1	+2·0	2	0·08	2	- 15	Blackpool ..	1·5	- 0·5	18	2	22	46·0	—	48·4	—
h Southport	37	52	13th	32	16th	48·9	40·7	44·8	+1·8	3	0·03	1	- 15	Southport ..	1·3	- 0·7	15	1	20	43·4	+1·5	46·2	- 1·1
														Hoylake ..	1·1	- 1·0	13	—	—	—	—	—	—
l Liverpool (Bidston) ..	188	53	14th	38	16th	49·9	41·7	45·8	+2·1	0	0·00	0	- 13	Liverpool	1·5	—	18	2	30	—	—	—	—
a Hawarden Bridge ..	22	54	14th	32	16th	51·3	38·0	44·7	+0·6	0	0·00	0	- 11	Manchester City	0·7	+0·1	8	0	33	43·1	+0·2	46·9	- 2·8
p Manchester (Whit. Pk.)	125	53	13th	31	12th	49·7	40·6	45·1	+2·2	1	0.02	0·4	- 13	„ Whit. Pk.	0·9	+0·2	11	—	—	—	—	—	—
8. NORTH WALES.																						
h Llandudno	22	55	14th	34	12, 16	52·0	39·4	45·7	+0·3	2	0·02	1	- 14	Llandudno ..	1·0	- 1·3	12	—	—	—	—	—	—
l Holyhead	15	53	13th	41	16th	50·9	46·9	48·9	+3·0	2	0·08	2	- 19	Holyhead ..	0·3	—	4	0	35	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air,* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	14, 15	35	12th	50·3	43·0	46·7	—	0	0·00	0	—	Aberystwyth	1·1	- 1·4	13	—	—	—	—	—	—
a Rhayader	757	50	14, 17, 18	25	12th	47·3	33·3	40·3	—	1	0·01	0·3	—	Rhayader ..	0·8	—	10	7	14	—	—	—	—
i Pembroke	149	53	18th	42	12th	51·1	44·3	47·7	+0·7	2	0·16	4	- 16	Pembroke ..	1·8	- 0·6	21	—	—	—	—	—	—
p Cardiff	202	52	18th	30	12th	48·0	36·0	42·0	- 1·2	0	0·00	0	- 21	Cardiff ..	2·6	—	30	3	25	42·6	- 1·8	48·2	- 1·9
b, ENGLAND, S.W.																							
h Bath	66	55	18th	28	12th	47·3	34·4	40·9	- 2·5	0	0·00	0	- 14	Bath	1·7	- 0·7	19	—	—	43·7	—	49·0	—
a Shaftesbury	722	51	18th	33	16, 17	46·4	35·1	40·7	- 2·1	1	0·02	0·4	- 17	Shaftesbury ..	—	—	—	—	—	44·8	—	48·3	—
a Arlington	613	54	15th	29	12th	49·4	35·1	42·3	- 1·4	0	0·00	0	- 29										
h Newquay	190	52	15, 18	30	14th	49·8	38·4	44·1	- 3·4	0	0·00	0·1	- 19	Newquay ..	3·2	+0·4	36	—	—	47·3	—	50·9	—
a Cullompton	202	56	18th	25	13, 14	49·7	30·6	40·1	- 3·7	1	0·01	0·3	- 17	Cullompton ..	2·7	+0·5	30	6	17	44·2	—	—	—
i Portland Bill	19	54	15, 18	34	13th	49·7	39·1	44·4	- 3·1	0	0·00	0	- 13	Weymouth ..	4·2	—	48	—	—	—	—	—	—
p Plymouth	116	55	15, 18	30	14th	51·7	36·6	44·1	- 2·3	1	0·01	0·3	- 19	Plymouth ..	5·2	+2·6	59	3	24	43·8	- 2·8	50·5	—
h Falmouth	167	55	15th	36	14, 15	51·9	39·1	45·5	- 1·8	0	0·00	0	- 25	Falmouth ..	3·5	+0·7	40	4	25	45·2	—	50·5	—
9. IRELAND, N.																							
i Malin Head	71	55	13th	40	15th	51·6	46·7	49·1	+4·5	5	0·15	4	- 14	Malin Head ..	1·8	—	22	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallaranny	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallaranny ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	55	13, 14	40	12th	52·7	45·3	49·0	+6·5	5	0·16	4	- 20	Markree Castle	1·0	- 1·2	11	0	35	47·9	+2·2	49·5	- 0·5
b, East .. *p* Armagh..	204	55	14th	42	12, 15	51·6	44·7	48·1	+5·5	1	0·02	0·4	- 16	Armagh ..	1·2	- 1·1	15	0	32	46·5	+1·9	47·9	- 1·1
t Donaghadee	35	57	14th	33	16th	51·9	44·1	48·0	+3·8	0	0·00	0·1	- 17										
														Trinity Coll.	—	—	—	1	30	46·9	+1·0	48·0	- 1·4
10. IRELAND, S.														Phœnix Park	2·4	- 0·3	28	1	27	—	—	—	—
p Dublin City	54	57	13, 14	39	12th	53·0	46·0	49·5	+4·5	0	0·00	0	- 16	Dublin City ..	—	—	—	0	32	—	—	—	—
t Birr Castle	175	58	13, 14	42	16th	53·0	45·7	49·3	+6·7	3	0·06	1	- 17	Birr Castle ..	—	—	—	0	35	—	—	—	—
a, East .. *a* Kilkenny	195	57	13, 14	31	12th	52·9	42·3	47·6	+4·5	0	0·00	0	- 18										
a Waterford	137	56	14th	34	12th	52·9	43·7	48·3	+3·7	1	0·02	0·4	- 22										
p Seskin, Carrick-on-Suir	542	57	14th	36	12th	52·6	42·9	47·7	—	1	0·02	0·4	—	Seskin ..	1·9	—	22	1	27	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	1·6	- 0·7	19	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	12th	42	12th	52·6	44·6	48·6	- 0·8	0	0·00	0·1	- 18	Scilly ..	1·2	- 1·5	14	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	18th	38	14th	50·6	42·4	46·5	- 1·8	0	0·00	0	- 22	St. Heliers ..	2·1	- 0·7	23	—	—	—	—	—	—
p Guernsey† ..	173	54	12th	42	17th	51·6	44·9	48·3	0·0	0	0·00	0	- 24	Guernsey ..	2·9	+0·4	33	0	33	47·2	- 1·8	51·5	- 1·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, November 18th, 1922.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer (from N.)	Speed.		Mid Time.		Highest Gust. Speed.		Time.		
													m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o									
**Deerness (Cup Anr.) ..	188	16	5	—	0	12, 15, 16, 17	24	81	53	10	0	260	34	15	16	16	—	—	—	—	—
1. SCOTLAND, E.																					
Dyce	305	75	15*	—	0	—	0	0	65	91	12	290	11	5	18	1	30	13	17	22	0
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	19	110	39	0	310	18	8	17	23	34	15	18	2	25
Edinburgh	485	39	31	—	0	—	0	128	34	6	0	290	24	11	17	13	33	15	14	10	50
6. *a*, SCOTLAND, W.																					
Eskdalemuir	825	50	22	—	0	16, 17, 18	8	41	93	26	0	290	30	13	16	18	45	20	17	21	30
Paisley	188	81	15	—	0	—	0	22	124	22	0	310	18	8	18	6	43	19	18	5	40
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	—	0	47	99	22	0	290	23	10	16	3	39	17	16	15	10
Spurn Head	67	41	‡	—	0	18	3	66	93	6	0	340	27	12	18	13	40	18	18	11	25
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	13	100	55	0	340	19	9	18	13	34	15	18	12	50
Shoeburyness	103	90	‡			Instrument	under	repair.													
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	8	59	101	0	340	18	8	18	12	31	14	18	11	50
5. ENGLAND, S.E.																					
Brighton	281	53	6	—	0	—	0	1	145	22	0	—	13	6	15	16	22	10	15	15	50
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	49	118	1	0	30	21	9	18	14	27	12	18	13	20
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	0	50	118	0	330	10	5	18	10	21	9	18	15	20
Petersfield, (Stoner Hill)..	811	42	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	18	1	52	101	14	0	320	25	11	18	10	—	—	—	—	—
Southport	80	62	48	—	0	17, 18	9	57	89	13	0	290	29	13	18	3	37	17	18	3	15
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	—	0	18	2	85	63	18	0	310	26	12	18	10	36	16	18	6	45
8. *b*. ENGLAND, S.W.																					
Pendennis Castle§ ..	256	65	24	—	0	—	0	38	101	29	0	360	21	9	18	18	31	14	18	17	45
Plymouth	185	88	2	—	0	—	0	9	80	79	0	—	17	8	15	10	27	12	15	9	40
Lyme Regis	554	59	‡	—	0	—	0	8	53	107	0	—	18	8	18	13	30	13	15	5	40
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	48	64	56	0	270	23	10	18	1	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	—	0	38	98	32	0	—	16	7	12	13	27	12	12	13	50
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	42	77	49	0	190	20	9	12	17	29	13	12	16	50
Weaver Pt.	160	30	‡‡‡‡	—	0	—	0	15	121	32	0	—	19	9	18	17	31	14	18	17	20
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	33	84	29	22	10	18	8	17	19	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1922—November 12th to November 18th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	56	30	50·6	42·3	46·5	+5·0	31	+14	0	− 20	5	0	0·55	14	− 16	1·3	+0·1	17	1027
Eastern.																			
1. SCOTLAND, EAST ..	57	26	51·1	40·2	45·7	+5·3	31	+15	5	− 21	3	− 1	0·12	3	− 15	2 3	+0·5	28	1031
2. ENGLAND, N.E. ..	58	26	49·2	36·9	43·1	+0·5	22	+ 1	14	− 2	1	− 3	0·02	1	− 13	3·9	+2·0	46	1033
3. ENGLAND, EAST ..	53	24	47·7	35·4	41·5	− 1·6	16	− 9	19	+ 2	2	− 2	0·06	2	− 13	2·7	+0·5	31	1033
4. MIDLAND COUNTIES	55	22	48·1	34·5	41·3	− 0·8	17	− 4	22	+ 1	1	− 3	0·01	0	− 14	2·2	+0·2	25	1035
5. ENGLAND, S.E. ..	56	22	47·8	35·7	41·7	− 2·8	16	− 15	18	+ 6	1	− 3	0·01	0	− 17	1·6	− 0·7	18	1034
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	55	32	50·9	43·3	47·2	+4·8	36	+14	0	− 16	3	− 1	0·13	3	− 24	—	—	—	1033
7. ENGLAND, N.W. (*and North Wales*)	55	30	50·2	40·9	45·5	+2·2	28	+ 4	3	− 10	1	− 3	0 04	1	− 19	1·3	− 0·6	15	1035
8. ENGLAND, S.W. (*and South Wales*)	56	25	49·3	36·4	42·8	− 2·3	21	− 12	16	+ 6	1	− 3	0·02	1	− 21	2·5	+0·1	29	1035
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·1	− 1·1	13	1033
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	55	38	51·6	44·0	47·8	− 1·1	41	− 9	0	− 1	0	− 5	0·00	0	− 22	2·1	− 0·6	23	1034
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, September 3rd to November 18th, 1922.

0. SCOTLAND, NORTH ..	68	24	52·1	40·9	46·3	− 1·2	430	− 75	96	+25	48	− 5	7·91	200	− 96	2·8	+ 0 2	26	1015
Eastern.																			
1. SCOTLAND, EAST ..	70	18	52·6	40·1	46·2	− 1·3	427	−104	101	+ 9	45	+ 1	5·45	138	− 47	3·0	0·0	28	1016
2. ENGLAND, N.E. ..	69	25	54·3	42·5	48·2	− 1·5	543	− 97	62	+16	39	− 1	4·54	114	− 37	3·3	− 0·1	31	1017
3. ENGLAND, EAST ..	72	24	55·5	43·2	49·2	− 1·6	617	−118	64	+16	37	− 2	4·71	119	− 29	4·0	+ 0·2	36	1017
4. MIDLAND COUNTIES	72	22	55·2	41·2	48·0	− 1·7	561	−104	96	+27	31	− 8	3·93	99	− 60	3·1	− 0·2	28	1017
5. ENGLAND, S.E. ..	73	22	56·0	43·6	49·6	− 2·4	647	−162	64	+30	32	− 7	5·05	129	− 58	3·8	− 0·1	35	1017
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	18	54·4	41·7	47·9	− 1·1	526	− 77	72	+20	36	− 8	8·22	210	− 71	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	70	25	54·6	43·3	48·8	− 1·5	569	−107	42	+ 8	35	− 9	5·34	136	− 82	3·3	+ 0·1	30	1017
8. ENGLAND, S.W. (*and South Wales*)	71	25	55 5	43·9	49·6	− 2·1	635	−141	53	+27	31	− 14	6·41	164	− 82	3·6	− 0·1	33	1017
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·9	− 0·2	26	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	57·4	48·7	52·9	− 2·1	844	−160	2	+ 1	32	− 15	6·58	167	− 58	3·8	− 0·7	34	1017
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 46 Weeks, January 1st to November 18th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·9	40·1	45·3	− 1·1	1650	−397	585	− 25	216	+ 2	37·11	943	−145	3·5	+ 0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·8	39·2	45·3	− 1·5	1780	−489	728	+19	191	+ 9	25·05	638	− 48	3·7	− 0·3	29	1011
2. ENGLAND, N.E. ..	84	12	54·2	41·5	47·6	− 0·9	2375	−242	571	+53	166	+ 2	22·09	561	+ 8	4·2	− 0·1	33	1013
3. ENGLAND, EAST ..	89	16	55·7	42·5	48·8	− 0·8	2691	−318	495	− 47	165	+ 6	22·73	577	+50	4·7	0·0	37	1014
4. MIDLAND COUNTIES	86	11	55·5	41·0	47·9	− 1·2	2504	−397	592	+ 1	163	+ 5	26·10	663	+75	4·0	− 0·2	31	1013
5. ENGLAND, S.E. ..	88	17	56·4	43·3	49·6	− 1·0	2832	−388	382	− 31	163	+ 8	24·56	625	+29	4·8	− 0·1	37	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·4	40·9	46·9	− 1·3	2100	−406	520	+52	185	− 4	38·44	980	− 31	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·9	42·5	48·0	− 1·2	2323	−415	402	− 14	169	− 5	27·85	709	− 59	4·2	0·0	33	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·4	43·4	49·2	− 1·2	2634	−412	321	− 6	172	− 2	31·98	817	− 15	4·6	− 0·1	36	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·7	− 0·1	29	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·9	47·6	52·0	− 0·8	3289	−305	52	− 54	173	− 7	28·75	732	+36	5·1	− 0·5	40	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th November, 1922.

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VI.C.3

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 185

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 47.

FORTY-SEVENTH WEEK.

SUNDAY, NOVEMBER 19TH, TO SATURDAY, NOVEMBER 25TH, 1922.

Price 6d. Net Post free 7d.
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METEOROLOGICAL OFFICE 4 DEC 1922 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

During the week the distribution of pressure over the British Isles continued anticyclonic. There were a few moderate falls of rain or sleet in Scotland, 19mm. at Achnashellach (Ross-shire) on the 22nd and 15mm. at Fort William (Inverness) and at Gordon Castle (Elgin) on the 25th; otherwise the weather was dry in all parts of the country, a number of stations having had no rain for at least fourteen days. Fog or mist was again experienced on several days in most parts of the Kingdom. Maximum temperatures of 55° or 56°F. were recorded at a few stations towards the end of the week, but in most places the day temperatures were round about 50°F. The lowest of the screen minima were recorded at nearly all stations on the 25th, and in a few places readings of about 20°F. were registered, the actual lowest being 18°F. at Eskdalemuir. Ground frosts were general and in a few instances the grass thermometer recorded readings slightly below 15°F., while at Rhayader (Radnor) a reading as low as 8°F. was obtained. The mean temperature for the week, however, was generally above the normal. The daily range of temperature was fairly large in places, at one or two stations it averaged about 15°F, while on the other hand at Margate, Holyhead and Spurn Head it was less than 5°F. Bright sunshine varied considerably in different parts of the British Isles. On the last day of the week several stations registered between 7 and 8 hours sunshine, while at one or two places, including London, the week was practically sunless. The departure of the mean daily duration from the normal for the week ranged from +1·1 hours at Durham to −1·6 hours at Bath. Solar halos were observed at Clacton, Hodsock Priory (Worksop) and Stonyhurst on the 25th. The simultaneous occurrence of a lunar halo and a corona was witnessed at Stonyhurst on the 24th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m s		m.p.h	m/s		m.p.h	m/s
South	8	9	3·8	7	6	2·8	7	2	0·9	3	4	1·8	11	4	2 0	8	9	3·9	7	3	1·5	7	7	3·2
North	20	10	4·5	9	5	2·3	14	5	2·2	9	4	1·8	12	10	4·3	6	6	2·5	15	4	1·9	8	5	2·4
West	28	13	5·9	25	13	5 6	22	6	2·5	7	2	1 0	20	8	3·4	0	—	—	23	10	4·4	0	—	—
East	0	—	—	0	—	—	0	—	—	2	3	1·2	4	5	2·3	13	6	2·9	0	—	—	15	4	1·6
Calm (or wind-speed < 4 m.p.h.)	0	—	—	1	—	—	6	—	—	16	—	—	4	—	—	6	—	—	3	—	—	13	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	8	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

DISTRICTS OF THE BRITISH ISLES.

		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England. N.W. (*and N. Wales*).	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Moderate	Light	Very Light	Very Light	Very Light	Nought	Very Light	Very Light	Very Light	—	—	Very Light
	Sunshine ..	Moderate	Abundant	Moderate	Moderate	Scanty	Moderate	—	Moderate	Moderate	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England. N.W. (*and N. Wales*).	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
AUTUMN. *12* weeks from Sept. 3rd, 1922.	Warmth ..	2, 5, 5	2, 6, 4	1, 8, 3	1, 7, 4	1, 8, 3	1, 4, 7	2, 6, 4	2, 7, 3	1, 6, 5	—	—	1, 7, 4
	Rainfall ..	1, 6, 5	2, 4, 6	2, 3, 7	2, 3, 7	2, 3, 7	2, 4, 6	2, 5, 5	2, 3, 7	2, 4, 6	—	—	3, 1, 8
	Sunshine ..	6, 4, 2	5, 4, 3	4, 4, 4	3, 5, 4	3, 5, 4	3, 7, 2	—	4, 5, 3	2, 7, 3	2, 5, 5	—	2, 7, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.																							
l Lerwick	54	48	22nd	31	24th	45 4	38·4	41 9	+0 6	7	1·10	28	+ 3	Lerwick ..	0·5	—	7	—	—	—	—	—	—
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—	—
a Islands *l* Stornoway ..	51	50	20, 22, 25	33	25th	47·6	40·0	43·8	+2·3	5	0 81	21	- 14	Stornoway ..	1·3	+0·1	17	—	—	—	—	—	—
l Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
l Wick	81	50	19, 25	32	25th	46·7	38 9	42·8	+2 2	6	0·86	22	+ 4										
a Strathpeffer	125	52	22 d	29	25th	47·4	38·7	43·1	+3·1	3	0·31	8	- 10										
b, Main- *h* Achnashellach ..	225	50	19, 25	29	25th	47·1	39·4	43·3	—	5	1 50	38	—	Achnashellach	—	—	—	1	24	—	—	—	—
land. *h* Inverness	242	56	23rd	32	25th	49·0	38·6	43·8	—	2	0·48	12	—	Inverness ...	1·0	—	14	2	29	—	—	—	—
a Fort Augustus	68	50	22, 25	27	25th	47·3	35·6	41·5	+1·1	3	0·80	20	- 8										
p Fort William	171	51	19, 23	27	25th	48·7	37·7	43·2	+1 9	5	0·88	22	- 28										
1. SCOTLAND, E.																							
l Nairn	82	50	19, 22	32	25th	47 6	40·7	44·1	+4 4	4	0·35	9	- 3	Nairn ..	0 9	—	12	—	—	—	—	—	—
p Gordon Castle ..	101	51	22, 23	32	25th	49·1	38·9	44 0	+3 3	3	0·68	17	+ 3	Gordon Castle	1·5	—	21	—	—	—	—	—	—
l Aberdeen	46	51	19th	32	25th	47·0	39·9	43·5	+2 9	3	0·37	9	- 6	Aberdeen ..	1·8	0 0	23	3	22	—	—	44·8	- 0·3
a Balmoral	930	49	19th	24	25th	45·6	34·1	39 9	+3·0	4	0·39	10	- 8	Balmoral ..	—	—	—	2	20	—	—	—	—
p Crieff	432	64	19th	28	25th	48·3	35·7	42·0	+2·2	4	0·11	3	- 19	Crathes ..	2·0	+0 3	26	2	24	41·4	—	43·8	—
a Dundee	244	51	23rd	29	25th	47·5	36·8	42·1	+2·3	1	0·02	1	- 11	Dundee ..	—	—	—	—	—	—	—	—	—
														Inchkeith (F. of Forth)	2·8	—	36	1	29	—	—	—	—
l Inchkeith (F. of Forth)	190	50	23rd	34	25th	46 9	41·4	44·1	—	2	0·05	1	—										
p Edinburgh	441	51	23rd	28	25th	47 6	38·6	43·1	+2·4	1	0·18	5	- 6	Edinburgh ..	2·6	+0·6	33	2	23	—	—	—	—
a West Linton	769	50	23rd	21	25th	45·6	32·0	38·8	+2 3	4	0·26	7	—	West Linton ..	—	—	—	5	16	—	—	—	—
a Marchmont	498	52	23rd	26	25th	48·9	35·7	42·3	+3·0	2	0·15	4	- 11	Marchmont ..	2·1	+0·5	27	—	—	—	—	—	—
6. *a*, SCOTLAND, W.	149	51	22nd	24	25th	48·3	36·4	42·3	—	5	0·31	8	—	Ford (Argyll)	—	—	—	2	22	44·3	—	46·1	—
a Ford (Argyll)	49	52	19th	22	25th	47·0	34 6	40·8	—	3	0·18	5	—	Renfrew ..	1·7	—	22	5	14	—	—	—	—
l Renfrew	200	50	19th	33	25th	48·1	39·3	43·7	+1·5	4	0·41	11	- 17	Rothesay ..	1·4	—	18	3	24	44·7	—	47·0	+0·7
p Rothesay	90	54	19th	26	25th	48·4	34·3	41·3	+1·1	3	0·21	5	- 16	Kilmarnock ..	1·7	—	21	—	—	43·3	—	46·7	—
a Kilmarnock																							
a Colmonell	170	51	23, 24	26	25th	49·7	39·0	44·3	+2·4	3	0·10	3	- 25	Colmonell ..	—	—	—	1	21	—	—	—	—
p Dumfries	160	52	20th	24	25th	48·3	36·0	42·1	+1·3	1	0·02	0·4	- 20	Dumfries ..	2·7	—	33	4	17	43·6	+2·8	46·4	+0·6
l Eskdalemuir	794	50	20th	18	25th	44·7	32·4	38·5	—	3	0·13	3	—	Eskdalemuir	2 3	—	29	4	16	—	—	—	—
b, I. OF MAN *h* Douglas	284	53	22nd	30	25th	49·1	39·7	44 4	+0·8	1	0 05	1	- 26	Douglas ..	2·7	+0.7	33	1	24	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	51	20th	26	25th	47·7	37·0	42·3	+2·4	1	0 11	3	- 10	Cockle Park ..	2 8	+0·7	35	4	18	42·2	+3·0	44·9	+0·9
l Tynemouth	118	52	23rd	31	25th	48·1	40·7	44.4	+2 6	0	0·00	0	- 10	Tynemouth ..	—	—	—	1	27	—	—	—	—
p Durham	336	54	23rd	27	25th	49·0	37 6	43·3	+2·8	1	0·08	2	- 8	Durham ..	2·9	+1·1	37	2	17	—	—	—	—
a North .. *p* Rounton	249	51	23rd	27	25th	47·1	36·7	41·9	+1·5	1	0·03	1	- 10	Rounton ..	—	—	—	6	16	41·9	—	—	—
a West Witton	605	—	—	—	—	—	—	—	—	—	—	—	—	West Witton ..	—	—	—	—	—	—	—	—	—
h Scarborough	118	51	23rd	34	25th	47.3	41·6	44·5	+1·9	1	0·08	2	- 10	Scarborough †	1·0	- 0·6	13	—	—	—	—	46·1	—
p York	56	51	23rd	29	25th	47·9	38·1	43·0	+1·5	1	0·01	0·3	- 10	York ..	0·7	- 0·6	9	—	—	43 4	0 0	46·7	- 1·1
l Spurn Head	26	48	23rd	35	25th	45 1	41·6	43·3	+0 4	0	0·01	0·2	- 9	Spurn Head ..	1 4	—	18	—	—	—	—	—	—
b, South .. *a* Lincoln	58	49	23rd	29	25th	47·0	38 3	42·7	+1·5	0	0·00	0	- 10	Lincoln ..	—	—	—	1	26	41·4	+0·2	45·8	- 1·6
l Cranwell	237	48	23rd	29	25th	45·0	38 6	41·8	+0 5	0	0·00	0	- 10	Cranwell ..	1 0	- 0 9	12	1	27	—	—	—	—
														Skegness ..	1 3	- 1·0	16	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	48	20, 25	38	25th	46 9	41 0	43·9	+1 6	2	0·03	1	- 9	Cromer ..	2·0	+0·2	24	—	—	—	—	—	—
a Little Massingham	277	48	23rd	32	25th	45·	39·3	42·1	+2·0	2	0·04	1	- 11	Lit Massingham	1 7	+0·1	21	—	—	—	—	—	—
a, North .. *l* Yarmouth ..	13	50	19, 23	35	25th	47 7	41·1	44·4	+2·2	1	0·06	1	- 10	Yarmouth ..	1·9	—	23	0	32	44 9	+1·6	47 6	- 0·8
a Norwich	93	48	20, 23	34	25th	46·4	40·9	43·7	+2·5	2	0 03	1	- 11	Norwich ..	1·6	—	19	1	27	42·0	—	—	—
a Geldeston	37	51	19, 23	33	25th	48 1	39·7	43·9	+1·9	1	0·02	1	- 10	Geldeston ..	1 7	- 0·1	20	—	—	—	—	—	—
p Cambridge	41	49	23rd	29	25th	46·9	37·9	42·4	+1·2	0	0.00	0	- 9	Cambridge ..	0 8	- 0 9	10	2	21	43·5	+0·8	47·2	- 1 3
l Clacton-on-Sea ..	54	49	21, 24	31	25th	46 6	39·6	43 1	+0 9	0	0·00	0	- 9	Clacton-on-Sea	1·4	- 0 5	16	1	28	43·9	- 1·0	47·4	- 2·1
b, South ... *a* Rothamsted ..	420	48	23rd	26	25th	45 1	37·6	41 3	+0·4	0	0·00	0	- 12	Rothamsted ..	1·1	+0 7	13	2	17	42 2	—	—	—
p Tottenham	51	51	19th	30	25th	47·7	40·4	44·1	—	0	0·00	0	—	Tottenham ..	0·6	—	8	—	—	—	—	—	—
														Southend ..	0 8	—	10	1	29	44·4	—	—	—
4. MIDLAND COUNTIES																							
h Harrogate	479	49	23rd	28	25th	46·9	37·9	42·4	+2·1	1	0 02	1	- 10	Harrogate ..	1 8	+0·2	22	1	24	42 9	+0·7	44·8	- 0·3
a, North .. *p* Sheffield	429	51	23rd	31	25th	47·6	40·3	43·9	—	0	0·00	0	—	Sheffield ..	1 2	- 0·3	15	1	23	42·3	+0·1	45·0	- 2·3
p Buxton	987	50	20th	24	25th	45·1	36·1	40·6	+1·8	1	0·12	3	- 17	Buxton ..	1·1	—	13	2	19	41·8	+2·0	45·3	- 0·8
a Worksop	56	53	23rd	26	25th	48·0	37·1	42·5	+1·3	0	0·00	0	- 8	Worksop ..	0·8	- 0·5	10	4	18	41 9	—	45·0	—
l Nottingham	82	51	23rd	27	25th	46·6	38·0	42·3	+1 1	0	0·00	0	- 8	Nottingham ..	0 4	- 0 8	4	2	23	40 0	- 0·5	43·5	- 2 3
b, East ... *p* Birmingham, Edgbsn...	525	50	23rd	28	25th	45·9	38·3	42·1	+0.7	0	0·00	0	- 10	Birmingham	0·9	- 0 3	11	3	15	44·0	+1·2	47·4	- 0·7
a Raunds	213	49	23rd	27	25th	46 9	37·4	42·1	+1·6	0	0·00	0	- 9	Raunds ..	1·0	—	12	2	21	42·9	—	—	—
p Oxford	208	48	20, 22, 24	25	25th	46·6	37·3	41 9	0 0	0	0·00	0	- 10	Oxford ..	1 2	- 0·6	14	4	17	—	—	—	—
														Malvern	1·3	—	15	1	25	43·4	—	46·1	—
a Cheadle (N. Staffs) ..	646	47	23rd	27	25th	45 1	38·1	41·6	+1 5	1	0 02	0·4	- 12	Cheadle ..	—	—	—	2	21	—	—	—	—
s, West .. *p* Tenbury	313	51	19, 23	20	25th	47·4	35·4	41·4	- 0·1	1	0·03	1	- 8	Tenbury ..	—	—	—	4	17	43 6	—	—	—
a Hereford	291	51	23rd	22	25th	48·3	36·9	42·6	+1·1	2	0·04	1	- 9	Ross on Wye	0 9	—	11	2	17	43 8	—	47·2	—
a Clifton	225	49	20, 23	28	25th	46·4	39·7	43·1	0·0	2	0·03	1	- 12	Clifton ..	0 9	—	11	1	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	48	23rd	20	25th	46·0	32·3	39·1	- 1 5	2	0·02	1	- 13	Worthing ..	1·7	- 0 5	19	1	26	44 4	+0 2	48 8	- 1·4
a Porton	363	48	22, 23	23	25th	46·4	34·1	40 3	—	0	0·00	0	—	Marlborough	0 5	- 0 9	6	—	—	43·1	—	47·7	—
a Wisley, Surrey ..	150	50	24th	24	25th	46.9	36 9	41·9	+0·2	0	0·00	0	- 10	Porton	0·8	—	10	3	14	40·7	—	—	—
h Tunbridge Wells	354	51	24th	28	25th	47·3	38·0	42·7	+0·6	0	0·00	0	- 15	Wisley, Surrey	1 0	- 0 6	15	4	13	43 2	+0·2	46 9	- 1·3
h Margate	51	48	21-24	39	25th	46 7	43 0	44·9	+1·2	0	0·00	0	- 10	Tunbridge Wells	1 2	- 0 6	15	3	16	44 9	—	48 3	—
														Margate ..	0 8	- 0·9	9	0	36	46·3	+1 2	49·2	+0·1
l Dungeness	21	51	24th	30	25th	47·6	39·9	43·7	- 0·8	0	0·00	0	- 12	Folkestone ..	1·3	—	16	1	27	—	—	50·3	—
h St. Leonards	178	51	24th	32	25th	47 9	40·7	44·3	+0 2	0	0·00	0	- 13	St. Leonards ..	2 0	- 0·1	23	1	27	45 2	—	49·2	—
p Southampton	64	50	23, 24	29	25th	47·9	38·0	42·9	- 0·8	0	0·00	0	- 14	Southampton	1·3	- 0·6	15	4	20	—	—	—	—
a Ventnor	59	54	24th	34	25th	49·0	41 0	45 0	- 0·9	0	0·00	0	- 14	Ventnor ..	2·0	- 0·1	23	—	—	—	—	—	—
LONDON *l* Richmond (Kew Obs.)	18	50	24th	30	25th	47·2	40 0	43·6	+1 3	0	0·00	0	- 10	Richmond ..	0 8	- 0 7	9	3	20	42·6	+0·1	47·5	- 1·0
a Westminster	27	51	24th	31	25th	47·9	39·7	43·8	+0 5	0	0·00	0	- 9	Westminster	0 1	- 0 7	1	1	25	—	—	—	—
a Greenwich ..	149	49	24th	29	25th	46 3	38 9	42·6	+0·3	0	0·00	0	- 10	Greenwich ..	0·2	- 1 2	2	4	18	—	—	—	—
a Hampstead	450	48	24th	29	25th	45·3	37·9	41·6	—	0	0·00	0	—	Hampstead ..	0·2	—	3	—	27	—	—	—	—
a Camden Square ..	110	50	24th	31	25th	47·6	40 7	44·1	+1·5	0	0·00	0	- 10	Camden Square	—	—	—	1	28	43 4	—	47·5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	50	20th	26	25th	47·4	36·7	42·1	+1 2	3	0·06	2	- 19	Aspatria ..	2 3	+0·5	29	1	23	44·2	+1 9	46·9	- 0 1
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	49	23rd	26	25th	46 4	38 7	42·5	+1 4	1	0·03	1	- 22	Stonyhurst ..	1·3	- 0 1	16	1	21	—	—	—	—
h Blackpool	66	51	23rd	26	25th	47·7	40·9	44·3	+2·1	1	0·01	0·3	- 17	Blackpool ..	1 6	- 0 1	20	2	14	46·0	—	48 2	—
h Southport	37	50	23rd	26	25th	46·8	41·1	43 9	+1·7	1	0·01	0·2	- 16	Southport ..	1·7	0·0	21	1	18	43 7	+3 2	46·4	+0 6
														Hoylake ..	2 0	+0 2	25	—	—	—	—	—	—
l Liverpool (Bidston) ..	188	51	23rd	34	25th	47·7	42·7	45·2	+2·3	1	0·01	0·3	- 13	Liverpool ..	2 2	—	27	1	23	—	—	—	—
a Hawarden Bridge ..	22	55	23rd	26	25th	49·7	42 0	45 9	+2 6	0	0·00	0	- 11	Manchester City	0·1	- 0 1	1	1	28	43 8	+2 8	46·9	- 1·4
p Manchester (Whit. Pk.)	125	50	23rd	26	25th	47·0	38·7	42·9	+0 8	2	0.05	1	- 13	„ Whit. Pk.	0·1	- 0·5	1	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	52	23rd	25	25th	49·1	39 3	44·2	- 0 4	4	0·16	4	- 12	Llandudno ..	2·2	+0·2	27	—	—	—	—	—	—
l Holyhead	15	52	23rd	32	25th	49·3	44·9	47·1	+2 0	4	0·09	2	- 19	Holyhead ..	0·8	—	10	1	28	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	1·3	- 0·7	16	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 0h. to 17h. and 17h. to 0h. respectively. At stations marked *a* a Glaisher stand is used. † Earth temperature at 1 inch.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	50	19, 23	28	25th	48·7	41·9	45·3	—	3	0·14	4	—	Aberystwyth	1·1	- 0·7	14	—	—	—	—	—	—
a Rhayader	757	49	23, 24	20	25th	46·9	37·3	42·1	—	2	0·04	1	—	Rhayader ..	1·0	—	12	4	8	—	—	—	—
t Pembroke	149	53	23rd	34	25th	50·1	44·7	47·4	+1·4	1	0·02	1	- 18	Pembroke ..	2·0	+0·1	23	—	—	—	—	—	—
p Cardiff	202	51	23, 24	28	25th	48·3	39·1	43·7	+1·5	2	0·03	1	- 19	Cardiff ..	1·3	—	15	1	21	43·7	+0·5	47·8	- 1·0
b, ENGLAND, S.W.																							
h Bath	66	52	23rd	24	25th	48·3	39·0	43·7	+1·3	0	0·00	0	- 14	Bath	0·3	- 1·6	4	—	—	45·2	—	48·5	—
a Shaftesbury	722	48	22nd	30	25th	45·6	38·0	41·8	+0·1	0	0·00	0	- 16	Shaftesbury ..	—	—	—	—	—	44·1	—	47·7	—
a Arlington	613	52	23rd	21	25th	47·3	40·0	43·7	+1·0	1	0·03	1	- 27										
h Newquay	190	51	20, 24	36	25th	49·1	41·4	45·3	- 1·3	2	0·03	1	- 17	Newquay ..	1·6	—	19	—	—	47·6	—	50·5	—
a Cullompton	202	55	24th	28	25th	49·6	38·1	43·9	+1·1	1	0·02	1	- 17	Cullompton ..	1·9	+0·2	22	3	18	45·5	—	—	—
t Portland Bill	19	52	23rd	34	25th	49·6	41·0	45·3	- 1·2	1	0·04	1	- 12	Weymouth ..	2·0	—	24	—	—	—	—	—	—
p Plymouth	116	52	24th	34	25th	49·9	40·7	45·3	- 0·1	0	0·00	0	- 19	Plymouth ..	2·2	+0·1	26	1	26	44·9	- 0·7	49·4	—
h Falmouth	107	56	24th	40	25th	52·0	42·7	47·3	+1·0	1	0·03	1	- 24	Falmouth ..	2·0	- 0·2	23	0	32	46·7	—	50·0	—
9. IRELAND, N.																							
t Malin Head	71	53	20th	35	25th	49·6	43·7	46·7	+2·5	2	0·06	1	- 18	Malin Head ..	1·6	—	20	—	—	—	—	—	—
a, West .. *t* Blacksod Point	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	55	23rd	36	25th	51·0	43·4	47·2	—	1	0·19	5	—	Mallarany ..	1·0	—	13	1	27	—	—	—	—
p Markree Castle.. ..	122	54	19, 20, 23	28	25th	51·4	39·4	45·4	+3·3	2	0·02	1	- 24	Markree Castle	1·7	+0·1	21	1	24	48·1	+3·4	48·9	- 0·2
b, East .. *p* Armagh.. ..	204	53	20th	27	25th	49·0	39·4	44·2	+2·0	0	0·00	0	- 17	Armagh ..	1·5	- 0·3	19	1	23	46·5	+3·0	48·2	+0·3
t Donaghadee	35	53	23rd	32	25th	49·3	43·9	46·6	+2·9	2	0·06	2	- 16										
10. IRELAND, S.														Trinity Coll.	—	—	—	1	27	46·7	+1·9	48·2	- 0·2
p Dublin City	54	51	19, 20, 23	32	25th	49·4	43·0	46·2	+2·0	2	0·03	1	- 12	Phœnix Park	2·0	- 0·1	25	1	20	—	—	—	—
t Birr Castle	175	52	22, 23	28	25th	49·3	40·4	44·9	+3·0	4	0·15	4	- 12	Dublin City ..	—	—	—	1	28	—	—	—	—
a. East .. *a* Kilkenny	195	51	19, 23	25	25th	48·6	39·0	43·8	+1·4	1	0·02	1	- 15	Birr Castle ..	—	—	—	1	21	—	—	—	—
a Waterford	137	52	19th	33	25th	49·0	42·1	45·5	+1·6	2	0·03	1	- 18										
p Seskin, Carrick-on-Suir	542	50	19, 23, 24	35	25th	47·9	41·0	44·5	—	2	0·02	1	—	Seskin ..	0·3	—	4	1	24	—	—	—	—
s Foynes	50	52	24th	30	25th	50·1	43·1	46·6	+2·6	3	0·08	2	- 19										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	53	19, 22, 23	43	19th	51·2	46·8	49·0	+4·4	3	0·09	2	- 28	Ballinacurra	0·0	- 1·8	0	—	—	—	—	—	—
t Roche's Point ..	32	52	19, 24	41	23, 25	50·3	43·9	47·1	+1·3	3	0·09	2	- 20										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	56	24th	42	25th	51·9	45·7	48·8	+0·1	2	0·06	2	- 15	Scilly ..	0·9	- 1·1	11	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	22, 24	34	24th	50·1	40·9	45·5	- 1·9	0	0·00	0	- 19	St. Heliers ..	2·9	+0·9	34	—	—	—	—	—	—
p Guernsey† ..	173	54	20th	37	25th	52·0	43·1	47·5	+0·1	0	0·00	0	- 21	Guernsey ..	2·6	+0·8	30	1	28	46·2	- 1·6	50·9	- 1·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, November 25th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s. d. hr.	m.p.h	m/s. d. h. m.
**Deerness (Cup Anr.) ..	188	16	5	23	2	23, 24	30	80	56	0	0	270	40	18 23 14	—	— — — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	2	109	57	0	280	13	5 25 17	35	16 23 18 35
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	44	108	16	0	310	23	11 25 22	39	17 25 22 30
Edinburgh	485	34	31	—	0	23, 25	11	58	85	14	0	250	26	12 23 8	40	18 23 7 50
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	—	0	34	63	71	0	270	21	9 23 13	35	16 23 13 0
Paisley	188	81	15	—	0	—	0	20	92	56	0	230	17	8 23 8	36	16 23 6 10
2. ENGLAND, N.E.																
South Shields	72	61	12	—	0	23, 25	11	37	99	21	0	290	32	14 25 16	45	20 25 14 50
Spurn Head	67	41	‡	—	0	25	7	83	77	1	0	270	32	15 25 24	40	18 25 19 15
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	16	105	47	0	350	17	7 24 23	35	16 24 23 10
Shoeburyness	103	90	‡			Instrument	under	repair.								
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	2	27	139	0	340	13	6 24 16	25	11 24 15 45
5. ENGLAND, S.E.																
Brighton	211	53	6	—	0	—	0	1	139	28	0	—	13	6 24 12	23	10 24 12 25
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	16	148	4	0	20	18	8 24 17	24	11 24 16 55
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	0	47	121	0	10	9	4 24 16	21	9 24 11 50
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	0	77	91	0	290	11	5 25 24	20	9 24 16 55
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	24, 25	2	35	103	23	0	260	26	11 25 21	—	— — — —
Southport	80	62	48	—	0	25	5	50	98	15	0	270	28	13 25 22	37	17 25 22 5
7. *b*. NORTH WALES.																
Holyhead	64	45	‡	—	0	—	0	64	72	8	24	270	21	9 23 22	27	12 {19 12 0 / 23 22 20 / 25 22 30}
8. *b*. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	—	0	—	0	38	69	61	0	80	22	10 25 6	27	12 25 6 30
Plymouth	185	88	2	—	0	—	0	0	92	72	4	—	11	5 {24 16 / 25 2}	20	9 25 2 0
Lyme Regis	554	59	‡	—	0	—	0	0	23	144	1	—	11	5 24 23	21	9 24 21 0
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	23	1	47	92	28	0	260	25	11 23 10	—	— — — —
Quilty	100	40	‡	—	0	—	0	12	117	39	0	—	15	7 25 9	19	9 25 9 35
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	2	84	82	0	200	13	6 19 14	25	11 19 13 35
Weaver Pt.	160	80	‡	—	0	—	0	0	99	69	0	—	12	5 19 8	18	8 24 20 40
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	15	81	30	42	130	19	8 25 13	—	— — — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.

§Direction from the Robinson Anemometer at Falmouth Observatory. † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SEVENTH WEEK of 1922—November 19th to November 25th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	52	27	47·2	38·4	42·8	+2·4	16	+ 2	10	− 13	5	0	0·89	23	− 11	1·1	+0·2	16	1024
Eastern.																			
1. SCOTLAND, EAST ..	54	21	47·4	37·3	42·3	+2 7	15	+ 2	13	− 16	3	− 1	0·29	7	− 8	1 9	+0·2	24	1028
2. ENGLAND, N.E. ..	54	26	47·1	38·9	43·0	+1·4	16	− 1	9	− 10	1	− 3	0·04	1	− 10	1·6	− 0·2	20	1031
3. ENGLAND, EAST ..	51	26	46·7	39·7	43·2	+1·6	15	− 3	6	− 14	1	− 3	0·02	1	− 10	1 4	− 0·4	17	1031
4. MIDLAND COUNTIES	53	20	46·8	37·6	42·2	+1·1	14	− 3	12	− 12	1	− 3	0·01	0	− 11	1·0	− 0·5	12	1032
5. ENGLAND, S.E. ..	54	20	47·3	38·4	42·8	− 0·2	16	− 7	10	− 5	0	− 4	0·00	0	− 14	1·3	− 0·5	15	1032
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	54	22	48·4	37·0	42 7	+0·9	19	+ 1	14	− 5	3	− 2	0·18	5	− 25	—	—	—	1031
7. ENGLAND, N.W. (*and North Wales*)	55	25	48·0	40·5	44·3	+1·8	20	+ 1	4	− 12	2	− 2	0·05	1	− 19	1·8	+0·2	22	1032
8. ENGLAND, S.W. (*and South Wales*)	56	20	48·8	40·1	44 4	+0·3	22	− 5	5	− 8	1	− 3	0 02	1	− 20	1·5	− 0·4	18	1032
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·6	− 0·1	20	1031
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1033
11. CHANNEL ISLANDS (*and Scilly*)	56	34	51·3	43·2	47·3	− 0·7	37	− 7	0	− 2	1	− 4	0·02	1	− 18	2·2	+0·2	25	1032
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, September 3rd to November 25th, 1922.

0. SCOTLAND, NORTH ..	68	24	51·7	40·7	46·1	− 0·8	446	− 73	106	+12	53	− 5	8·80	223	−107	2·6	+ 0·1	25	1016
Eastern.																			
1. SCOTLAND, EAST ..	70	18	52·2	39·9	45 9	− 1·0	442	−102	114	− 7	48	0	5·74	145	− 55	2·9	0·0	27	1017
2. ENGLAND, N.E. ..	69	25	53·7	42·2	47·8	− 1·2	559	− 98	71	+ 6	40	− 4	4·58	115	− 47	3·2	0·0	30	1018
3. ENGLAND, EAST ..	72	24	54·8	42·9	48·7	− 1·4	632	−121	70	+ 2	38	− 5	4·73	120	− 39	3·7	+ 0·1	35	1018
4. MIDLAND COUNTIES	72	20	54·5	40·9	47·5	− 1·4	575	−107	108	+15	32	− 11	3·94	99	− 71	2·9	− 0·2	27	1018
5. ENGLAND, S.E. ..	73	20	55·3	43·1	49·0	− 2·2	663	−169	74	+25	32	− 11	5·05	129	− 72	3·6	− 0·1	33	1018
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	18	53·9	41·3	47·5	− 0·9	545	− 76	86	+15	39	− 10	8·46	217	− 94	—	—	—	1018
7. ENGLAND, N.W. (*and North Wales*)	70	25	54·1	43·1	48·4	− 1·3	589	−106	46	− 4	37	− 11	5·33	135	−103	3·1	0·0	29	1018
8. ENGLAND, S.W. (*and South Wales*)	71	20	55 0	43·6	49·1	− 1·9	657	−146	58	+19	32	− 17	6·43	165	−102	3·5	0·0	32	1018
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·8	− 0·2	26	1017
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	56·9	48·3	52·5	− 1·9	881	−167	2	− 1	33	− 19	6·60	168	− 76	3·7	− 0·6	34	1018
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 47 Weeks, January 1st to November 25th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·9	40·1	45·3	− 1 0	1666	−395	595	− 38	221	+ 2	38·00	966	−156	3·4	+ 0·1	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51 7	39·2	45·2	− 1·4	1795	−487	741	+ 3	194	+ 8	25·34	645	− 56	3·7	− 0·2	29	1011
2. ENGLAND, N.E. ..	84	12	54·1	41·4	47·5	− 0·8	2391	−243	580	+43	167	− 1	22·13	562	− 2	4·2	0·0	33	1013
3. ENGLAND, EAST ..	89	16	55·5	42·4	48·7	− 0·7	2706	−321	501	− 61	166	+ 3	22·75	578	+40	4·7	0·0	37	1014
4. MIDLAND COUNTIES	86	11	55·3	40·9	47·8	− 1·1	2518	−400	604	− 11	164	+ 2	26·11	663	+64	3·9	− 0·2	31	1014
5. ENGLAND, S.E. ..	88	17	56·2	43·2	49·5	− 1·0	2848	−395	392	− 36	163	+ 4	24·56	625	+15	4·7	− 0·1	37	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·3	40·8	46·8	− 1·3	2119	−405	534	+47	188	− 6	38·68	987	− 54	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·7	42·5	47·9	− 1·1	2343	−414	406	− 26	171	− 7	27·84	708	− 80	4·2	0·0	33	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·3	43·3	49·1	− 1·1	2656	−417	326	− 14	173	− 5	32·00	818	− 35	4·5	− 0·1	35	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·7	− 0·1	29	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·7	47·5	51·9	− 0·8	3326	−312	52	− 56	174	− 11	28·77	733	+18	5·0	− 0·5	40	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
1st December, 1922.

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METEOROLOGICAL OFFICE DEC 1922 189

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH.

FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 48.

FORTY-EIGHTH WEEK.
SUNDAY, NOVEMBER 26TH, TO SATURDAY, DECEMBER 2ND, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was generally dull and unsettled. Showers of rain fell in most places and snow or sleet was reported at several stations in Scotland and the eastern parts of England. Hail occurred at Yarmouth, Little Massingham and Rothamsted. The winds were mainly westerly or north-westerly and moderate to strong in force. Mean temperature for the week was above the normal in most parts of the country, the greatest excess being about 4°F. in Scotland N. and Scotland E. and also in Ireland N. The highest temperatures occurred about the middle of the week and ranged between 50° and 55°F. but during the early part of the period in some parts of Scotland and the east and south-east of England the day temperatures were decidedly low for the time of year; on some days there were several stations at which 40°F. was not reached, in fact at Balmoral on November 26th 33°F. was the highest temperature recorded. Minima considerably below 32°F. were registered in several places, the actual lowest being 21°F. at Marlborough (Wilts) on November 26th, while ground frosts were recorded at practically all stations, the lowest readings of the exposed thermometers, about 13° or 14°F., occurring at Rhayader (Radnor) and at one or two stations in the south-eastern parts of England. Although the total rainfall for the week was below the normal in all districts there were a few rather heavy falls recorded in Scotland on November 30th. Amongst the largest measurements were 31mm at Achnashellach (Ross-shire), 26mm. at Fort Augustus and Fort William, 19mm. at Ford (Argyll) and 14mm. at Rothesay (Bute). Fog or mist occurred in several places. The mean amount of sunshine for the week was generally below the normal. The departure of the mean duration from the normal for the week ranged from +0·5 hour at Southampton and Falmouth to -1·3 hours at Cahirciveen (Valencia Observatory). Solar halos were observed at Ross-on-Wye on November 26th and at Oxford on November 26th, 27th, 29th and December 2nd. Lunar halos were witnessed on various dates at a number of stations. As will be seen from the table on page 192, the mean temperature and also the sunshine for the autumn season was moderate in most darts of the British Isles. The rainfall may be classified as light.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m s		m.p.h	m/s		m.p.h	m/s
South	6	12	5·5	6	8	3·6	7	7	3·0	5	4	1·9	5	8	3 6	5	7	3·3	11	7	3·3	5	10	4·5
North	22	11	4·8	12	7	3·1	16	4	2·0	16	5	2 3	22	11	4·7	17	12	5·5	8	6	2·6	17	6	2·7
West	28	15	6·9	27	17	7 5	27	9	4·1	23	6	2 5	26	18	7·9	19	10	4·5	27	17	7·7	17	8	3·4
East	0	—	—	1	3	1·4	0	—	—	0	—	—	1	6	2·5	2	3	1·3	0	—	—	3	2	0·8
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	0	—	—	4	—	—	1	—	—	1	—	—	0	—	—	6	—	—
No record ...	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	4	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	—	Unusual Very	Moderate
	Rainfall ..	Moderate	Light	Light	Moderate	Light	Light	Light	Light	Light	—	Light	Light
	Sunshine ..	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	—	Scanty	Moderate	Scanty	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *13* weeks from Sept. 3rd, 1922.	Warmth ..	3, 5, 5	3, 6, 4	2, 8, 3	1, 8, 4	1, 9, 3	1, 5, 7	3, 6, 4	3, 7, 3	1, 7, 5	—	—	1, 8, 4
	Rainfall ..	1, 7, 5	2, 4, 7	2, 3, 8	2, 4, 7	2, 3, 8	2, 4, 7	2, 5, 6	2, 3, 8	2, 4, 7	—	—	3, 1, 9
	Sunshine ..	6, 4, 3	5, 5, 3	4, 5, 4	3, 5, 5	3, 6, 4	3, 8, 2	—	4, 5, 4	2, 8, 3	2, 5, 6	—	2, 8, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.																							
t Lerwick	54	50	28th	30	26th	45·6	38·7	42·1	+0·9	6	0·93	24	- 6	Lerwick	0·7	—	10	—	—	—	—	—	—
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
a Islands *t* Stornoway	51	52	28th	36	27th	48·0	42·7	45·3	+4·0	6	0·89	23	- 17	Stornoway	0·3	- 0·8	4	—	—	—	—	—	—
t Castlebay, Barra I.	37	52	28th	40	27th	50·0	46·9	48·5	—	5	0·24	6	—	Castlebay	0·3	—	4	—	—	—	—	—	—
t Wick	81	52	28th	34	26, 27	46·9	40·6	43·7	+3·3	6	0·39	10	- 11										
a Strathpeffer	125	52	28th	34	27th	48·5	40·1	44·3	+4·8	5	0·44	11	- 10										
b, Main- *h* Achnashellach	225	52	28th	34	27th	47·0	42·6	44·5	—	7	2·35	60	—	Achnashellach	—	—	—	0	32	—	—	—	—
land. *h* Inverness	242	54	28th	34	27th	47·9	41·7	44·8	—	2	0·33	8	—	Inverness	0·5	—	6	1	29	—	—	—	—
a Fort Augustus	68	54	28th	32	27th	49·1	39·4	44·3	+4·3	4	1·15	29	- 5										
p Fort William	171	52	28th	33	26th	49·3	42·3	45·8	+4·7	6	1·88	48	- 12										
1. SCOTLAND, E.																							
t Nairn	82	54	28th	35	27th	48·0	43·0	45·5	+5·9	4	0·27	7	- 6	Nairn	0·8	—	11	—	—	—	—	—	—
p Gordon Castle	101	53	28th	34	26th	48·9	40·7	44·8	+4·2	5	0·34	9	- 6	Gordon Castle	0·4	—	6	—	—	—	—	—	—
t Aberdeen	46	55	28th	33	27th	47·9	41·3	44·6	+4·1	5	0·17	4	- 13	Aberdeen	1·5	+0·2	21	2	27	—	—	44·4	+0·3
a Balmoral	930	54	28th	30	27th	47·6	36·9	42·3	+5·5	2	0·17	4	- 15	Balmoral	—	—	—	2	28	—	—	—	—
p Crieff	432	55	28, 2	33	27th	50·9	38·1	44·5	+4·8	2	0·14	4	- 21	Crathes	1·6	+0·3	22	2	28	40·9	—	43·5	—
a Dundee	244	55	28th	33	27th	50·2	38·6	44·4	+4·7	2	0·09	2	- 12	Dundee	—	—	—	—	—	—	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	53	28th	36	27th	48·4	43·4	45·9	—	3	0·09	2	—	(F. of Forth)	1·8	—	24	0	31	—	—	—	—
p Edinburgh	441	52	28, 29	33	27th	48·9	40·4	44·7	+4·0	2	0·09	2	- 10	Edinburgh	1·8	+0·2	24	1	29	—	—	—	—
a West Linton	769	53	28th	28	27th	47·6	36·7	42·1	+5·6	7	0·31	8	—	West Linton	—	—	—	2	21	—	—	—	—
a Marchmont	498	52	29th	29	26th	47·6	34·3	40·9	+1·7	5	0·15	4	- 12	Marchmont	1·4	+0·1	18	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	50	27,29,2	32	26th	48·7	40·4	44·5	—	5	1·34	34	—	Ford (Argyll)	—	—	—	0	31	44·1	—	46·2	—
t Renfrew	49	53	28, 29	33	27th	49·4	42·9	46·1	—	4	0·39	10	—	Renfrew	1·5	—	20	1	28	—	—	—	—
p Rothesay	200	51	28, 29	35	28th	49·0	40·6	44·8	+3·5	6	1·02	26	- 2	Rothesay	1·0	—	14	2	28	44·0	—	46·0	+0·5
a Kilmarnock	90	53	29th	32	27th	50·3	39·1	44·7	+4·3	5	0·54	14	- 7	Kilmarnock	0·8	—	10	—	—	43·4	—	46·2	—
a Colmonell	170	54	29th	29	26th	50·3	41·1	45·7	+3·6	7	0·39	10	- 19	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	54	28th	32	27th	49·9	38·6	44·3	+3·5	3	0·14	3	- 17	Dumfries	1·1	—	14	2	24	42·7	+2·2	45·6	+0·8
t Eskdalemuir	794	51	28, 29	28	27th	47·1	38·0	42·5	—	5	0·58	15	—	Eskdalemuir	1·1	—	15	1	26	—	—	—	—
b, I. OF MAN *h* Douglas	284	51	28, 29	35	27th	49·0	42·9	45·9	+2·2	7	0·37	9	- 18	Douglas	0·8	- 0.8	10	0	31	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	53	28, 29	31	26th	48·4	37·3	42·9	+3·3	5	0·16	4	- 14	Cockle Park	1·5	- 0·2	19	4	24	41·5	+2·7	43·9	+0·8
t Tynemouth	118	54	28th	34	27th	47·7	41·3	41·5	+3·0	5	0·28	7	- 8	Tynemouth	—	—	—	1	30	—	—	—	—
p Durham	336	53	29th	31	27th	48·6	38·3	43·5	+3·4	3	0·17	4	- 10	Durham	1·5	0·0	19	2	23	—	—	—	—
a North *p* Rounton	249	55	28th	32	27th	48·0	36·3	42·1	+2·1	5	0·22	5	- 10	Rounton	—	—	—	7	21	40·9	—	—	—
a West Witton	605	54	28th	32	27th	49·4	38·0	43·7	—	4	0·10	3	—	West Witton	—	—	—	2	27	40·5	—	44·3	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	55	29th	32	27th	49·0	38·7	43·9	+2·8	4	0·15	4	- 11	York	1·1	+0·1	14	—	—	42·7	+0·1	46·1	- 0·6
t Spurn Head	26	50	28th	32	27, 28	46·7	39·4	43·1	+0·7	2	0·17	4	- 9	Spurn Head	0·4	—	5	—	—	—	—	—	—
b, South *a* Lincoln	58	53	28th	31	27th	49·7	38·0	43·9	+3·1	4	0·23	6	- 8	Lincoln	—	—	—	2	28	40·2	- 0·4	45·3	- 1·0
t Cranwell	237	53	28th	30	27th	46·9	38·3	42·6	+1·7	3	0·13	3	- 12	Cranwell	0·9	- 0·6	11	2	27	—	—	—	—
														Skegness	0·9	- 0·9	11	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	52	28th	34	28th	48·6	38·7	43·7	+1·8	5	0·30	8	- 5	Cromer	0·4	- 1·2	5	—	—	—	—	—	—
a Little Massingham	277	50	28, 29	32	27, 28	46·1	37·3	41·7	+1·9	5	0·74	19	+ 2	Lit Massingham	0·4	- 0·9	5	—	—	—	—	—	—
a, North *t* Yarmouth	13	53	29th	33	27th	47·1	38·6	42·9	+1·1	6	0·84	21	+ 6	Yarmouth	0·6	—	8	1	28	43·1	+0·3	46·9	- 0·6
a Norwich	93	53	29th	33	27, 28	47·9	39·0	43·5	+2·6	5	0·83	21	+ 5	Norwich	0·3	—	3	3	28	40·6	—	—	—
a Geldeston	37	54	29th	32	28th	48·6	38·1	43·3	+1·6	5	0·57	14	- 1	Geldeston	0·6	- 1·0	8	—	—	—	—	—	—
p Cambridge	41	53	28th	23	28th	48·7	35·4	42·1	+1·1	4	0.23	6	- 6	Cambridge	0·5	- 1·0	6	4	20	41·6	- 0·6	46·6	- 0·8
t Clacton-on-Sea	54	53	29th	31	27th	47·0	38·3	42·7	+0·8	5	0·30	7	- 5	Clacton-on-Sea	1·1	- 0·6	14	3	28	41·6	- 2·6	46·5	- 2·1
b, South *a* Rothamsted	420	51	28th	29	26, 27	47·6	35·9	41·7	+0·9	3	0·19	5	- 12	Rothamsted	1·6	+0·1	20	4	21	40·0	—	—	—
p Tottenham	51	54	28th	31	27th	48·6	37·7	43·1	—	3	0·21	5	—	Tottenham	1·5	—	18	—	—	—	—	—	—
														Southend	0·6	—	7	3	28	41·9	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	52	28th	31	27th	46·7	38·4	42·5	+2·5	4	0·17	4	- 13	Harrogate	1·5	0·0	19	1	28	41·7	+0·2	44·2	+0·1
a, North *p* Sheffield	429	52	28th	33	27th	48·0	40·0	44·0	—	4	0·23	6	—	Sheffield	1·1	- 0·2	14	1	29	41·1	- 0·4	44·6	- 1·7
p Buxton	987	47	28, 29	30	27th	43·9	37·4	40·7	+2·1	6	0·86	22	- 10	Buxton	2·4	—	30	3	25	40·0	+0·6	44·9	- 0·2
a Worksop	56	55	28, 29	28	26th	51·3	36·0	43·7	+2·8	3	0·13	3	- 10	Worksop	0·8	- 0·4	10	5	22	40·3	—	44·5	—
t Nottingham	82	54	28th	33	27th	48·9	38·7	43·8	+2·8	4	0·11	3	- 10	Nottingham	0·2	- 0·8	3	3	26	40·7	+0·4	42·6	- 2·1
b, East *p* Birmingham, Edgbsn.	525	51	28, 29	31	27th	46·9	37·9	42·4	+1·3	4	0·30	8	- 7	Birmingham	0·5	- 0·5	6	2	25	42·0	- 0·6	47·1	- 0·4
a Raunds	213	53	28th	29	27th	49·0	37·0	43·0	+2·8	3	0·13	3	- 11	Raunds	1·1	—	14	3	25	40·9	—	—	—
p Oxford	208	53	28, 29	29	26th	48·6	36·4	42·5	+0·8	2	0·06	2	- 12	Oxford	1·6	0·0	19	4	23	—	—	—	—
														Malvern	1·5	—	19	2	27	40·7	—	45·4	—
a Cheadle (N. Staffs.)	646	49	28, 29	29	26, 27	47·0	36·6	41·8	+1·9	5	0·28	7	- 12	Cheadle	—	—	—	3	23	—	—	—	—
a, West *p* Tenbury	313	54	29th	28	27th	49·3	34·6	41·9	+0·4	4	0·15	4	- 9	Tenbury	—	—	—	5	23	41·3	—	—	—
a Hereford	291	53	28th	25	26th	50·0	33·3	41·7	+0·4	2	0·15	4	- 12	Ross on Wye	1·7	—	21	3	21	40·8	—	46·3	—
a Clifton	225	52	28th	30	26th	49·1	38·0	43·5	+0·5	3	0·16	4	- 17	Clifton	1·6	—	20	2	27	—	—	—	—
														Worthing	1·6	- 0·3	19	3	24	41·6	- 2·5	47·9	- 1·2
5. ENGLAND, S.E.																							
a Marlborough	424	54	29th	21	26th	48·6	30·6	39·6	- 0·9	4	0·13	3	- 15	Marlborough	1·4	+0·1	17	—	—	40·2	—	46·9	—
a Porton	363	52	29th	23	26th	48·9	32·1	40·5	—	3	0·06	2	—	Porton	2·0	—	24	5	14	37·8	—	—	—
a Wisley, Surrey	150	52	28, 29	28	26, 28	49·1	36·0	42·5	+0·9	4	0·15	4	- 9	Wisley, Surrey	1·5	+0·1	18	4	14	40·7	- 2·1	45·7	- 1·6
h Tunbridge Wells	354	52	28, 29	29	26-28	47·6	36·1	41·9	0·0	4	0·19	5	- 14	Tunbridge Wells	1·0	- 0·6	12	4	17	42·3	—	47·3	—
h Margate	51	51	29th	34	28th	46·9	39·4	43·1	- 0·3	5	0·17	4	- 9	Margate	0·9	- 0·5	12	0	32	44·1	- 0·6	48·4	+0·3
t Dungeness	21	51	28, 29	27	28th	47·4	36·1	41·7	- 2·0	3	0·15	4	- 11	Folkestone	1·1	—	13	3	25	—	—	49·4	—
h St. Leonards	178	53	28, 29	31	26-28	48·3	37·4	42·9	- 0·9	5	0·21	5	- 12	St. Leonards	1·2	- 0·7	14	3	24	42·2	—	48·4	—
p Southampton	64	53	28, 29	26	26th	49·4	36·3	42·9	- 0·7	2	0·08	2	- 17	Southampton	2·1	+0·5	26	3	15	—	—	—	—
a Ventnor	59	54	29th	33	27th	50·6	39·6	45·1	- 0·6	4	0·10	3	- 15	Ventnor	1·9	+0·1	23	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	54	28th	31	26, 28	48·4	38·5	43·5	+1·3	3	0·11	3	- 9	Richmond	1·3	+0·1	17	3	23	40·1	- 2·2	46·6	- 0·9
a Westminster	27	54	28th	31	26, 28	49·9	38·1	44·0	+0·8	3	0·18	5	- 7	Westminster	0·9	+0·2	11	3	24	—	—	—	—
ag Greenwich	149	54	28th	31	26, 28	49·3	38·3	43·8	+1·7	4	0·26	7	- 5	Greenwich	1·1	- 0·1	14	4	22	—	—	—	—
a Hampstead	450	51	28th	28	27th	46·9	36·3	41·6	—	4	0·20	5	—	Hampstead	2·3	—	28	5	18	—	—	—	—
a Camden Square	110	53	28th	—	—	49·7	—	—	—	3	0·21	5	- 8	Camden Square	—	—	—	3	27	41·1	—	46·6	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	28, 29	29	27th	47·9	37·6	42·7	+1·9	5	0·30	8	- 19	Aspatria	0·4	- 1·0	6	1	25	43·3	+1·3	46·1	- 0·1
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	28th	27	26th	48·6	37·6	43·1	+2·1	6	0·59	15	- 14	Stonyhurst	0·1	- 1·0	1	1	25	—	—	—	—
h Blackpool	66	52	28, 29	35	27th	49·1	43·9	46·5	+4·4	5	0·18	5	- 16	Blackpool	0·6	- 0·8	7	1	23	44·8	—	47·8	—
h Southport	37	50	28, 29	34	27th	48·0	42·8	45·4	+3·3	5	0·28	7	- 13	Southport	0·7	- 0·7	8	1	25	42·4	+2·2	45·6	+0·9
														Hoylake	0·9	- 0·7	11	—	—	—	—	—	—
t Liverpool (Bidston)	188	50	28, 29	34	26th	49·0	40·4	44·7	+1·9	5	0·15	4	- 12	Liverpool	1·1	—	14	2	24	—	—	—	—
a Hawarden Bridge	22	54	28th	35	27th	51·4	41·9	46·7	+3·4	5	0·22	6	- 8	Manchester City	0·1	- 0·3	1	0	31	42·0	+0·8	46·6	- 0·5
p Manchester (Whit. Pk.)	125	52	28, 29	34	27th	48·9	40·3	44·6	+2·5	6	0.45	11	- 7	„ Whit. Pk.	0·2	- 0·3	2	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	51	28-30	34	27th	49·4	40·0	44·7	+0·1	3	0·10	3	- 17	Llandudno	0·8	- 0·8	10	—	—	—	—	—	—
t Holyhead	15	52	28th	40	27th	50·4	45·6	48·0	+	4	0·14	3	- 23	Holyhead	0·4	—	5	0	39	—	—	—	—
a Aberdovey	60	54	29th	37	27th	50·6	42.6	46·6		3	0·25	6	—	Aberdovey	0·7	- 0·9	9	1	30	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
h Aberystwyth	16	51	27, 28	35	26th	49·9	42·0	45 9	—	6	0·25	6	—
a Rhayader	757	50	28th	24	26th	47·6	36·0	41·8	—	5	0·25	6	—
t Pembroke	149	51	26, 28-2	36	26th	50 7	45·1	47·9	+2·1	3	0·10	3	- 21
p Cardiff	202	53	28th	28	26th	49·6	39·1	44·3	+2·2	2	0·06	2	- 24
b, ENGLAND, S.W.													
h Bath	66	53	28, 29	23	26th	49·4	36·4	42·9	+0·7	2	0 06	2	- 16
a Shaftesbury	722	47	28, 29	28	26th	46·3	34·4	40·3	- 1·0	4	0·09	2	- 17
a Arlington	613	51	29th	28	26th	48·1	38·7	43·4	+1·0	4	0·45	11	- 24
h Newquay	190	52	28, 29	35	26th	50·7	45·1	47·9	+1·4	2	0·19	5	- 18
a Cullompton	202	54	29th	22	26th	50·9	35·6	43·3	+0·7	2	0·09	2	- 20
t Portland Bill	19	53	28th	34	27th	50·9	40 1	45·5	- 0·7	1	0·08	2	- 14
p Plymouth	116	53	28, 29	30	26th	51·9	39·3	45·6	+0·3	3	0·14	4	- 20
h Falmouth	167	53	26, 28, 29	37	26th	51·7	43·4	47·5	+1·3	3	0·19	5	- 26
9. IRELAND, N.													
t Malin Head	71	51	27-29	43	20th	50·1	46·1	48·1	+4·4	6	0·28	7	- 11
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—
a, West .. *a* Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	53	28, 29, 2	35	26th	52·0	41·6	46·8	+5·1	4	0·30	8	- 17
b, East .. *p* Armagh.. ..	204	53	29th	39	26th	50·1	42·7	46·4	+4·8	4	0·20	5	- 11
t Donaghadee ..	35	53	28th	40	26th	50·4	44·0	47·2	+4·1	6	0 31	8	- 9
10. IRELAND, S.													
p Dublin City	54	52	28th	43	26,29,1	50·4	43·9	47·1	+3·3	1	0·03	1	- 13
t Birr Castle	175	51	28, 2	37	26th	48·9	41·0	44·9	+3·3	2	0·07	2	- 15
a. East .. *a* Kilkenny	195	52	28th	26	26th	50·1	39·4	44·7	+2·7	1	0·07	2	- 16
a Waterford	137	52	28, 30	32	26th	50·4	42·1	46·3	+2·6	2	0·12	3	- 19
p Seskin, Carrick-on-Suir	542	50	27, 28, 30	36	26th	48·7	40·4	44·5	—	2	0·09	2	—
a Foynes	50	52	28th	32	26th	50·7	42·6	46·7	+2·9	1	0·16	4	- 20
b. West .. *t* Cahirciveen (Val. Obs.)	30	52	26, 28	36	28th	50·9	45·3	48 1	+1·9	2	0·09	2	- 31
t Killarney	174	56	1st	39	28th	52·4	46·7	49·5	+5·1	5	0·15	4	- 31
t Roche's Point	82	52	28, 30	39	26th	50·9	44·3	47·6	+2·0	4	0·10	3	- 23
11. ENGLISH CHANNEL.													
t Scilly, St. Mary's ..	131	53	30th	37	28th	52·1	44·6	48·3	+0·1	3	0·20	5	- 18
t Jersey, St. Aubins ..	25	54	28th	32	26th	51·1	41·6	46·3	- 0·4	4	0·30	7	- 18
p Guernsey† ..	173	54	28th	36	26th	51·7	42·7	47·2	+0·5	4	0·31	8	- 19

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Hr.	Hr.	%	F.	°F.	°F.	°F.	°F.	°F.
Aberystwyth	1·1	- 0·4	14	—	—	—	—	—	—
Rhayader ..	1·4	—	17	3	13	—	—	—	—
Pembroke ..	0 5	- 1·2	6	—	—	—	—	—	—
Cardiff ..	1·4	—	18	2	23	41·7	- 1·3	47·1	- 0·8
Bath	1·6	- 0 1	19	—	—	42·0	—	47·7	—
Shaftesbury ..	—	—	—	—	—	41·6	—	46·8	—
Newquay ..	1·8	- 0·1	22	—	—	47·0	—	50·0	—
Cullompton ..	1·2	- 0·3	15	4	16	43·9	—	—	—
Weymouth ..	2·2	—	26	—	—	—	—	—	—
Plymouth ..	1·7	- 0·2	20	1	24	43·6	- 2·0	49·0	—
Falmouth ..	2·6	+0·5	30	1	29	45·4	—	49·9	—
Malin Head ..	0·4	—	5	—	—	—	—	—	—
Mallarany ..	—	—	—	—	—	—	—	—	—
Markree Castle	0·7	- 0·5	9	1	28	47·1	+3·1	48·9	+0·6
Armagh ..	1·0	- 0·4	13	0	35	45·3	+2·3	47·8	+0·7
Trinity Coll.	—	—	—	1	30	45·4	+1·2	48·0	+0·4
Phœnix Park	1·2	- 0·5	16	0	33	—	—	—	—
Dublin City ..	—	—	—	0	37	—	—	—	—
Birr Castle ..	—	—	—	1	30	—	—	—	—
Seskin ..	0·9	—	11	0	33	—	—	—	—
Cahirciveen ..	0·2	- 1·3	3	0	33	—	—	—	—
Ballinacurra	1·1	- 0·4	14	—	—	—	—	—	—
Scilly ..	2·1	+0·2	25	—	—	—	—	—	—
St. Heliers ..	1·3	- 0·6	15	—	—	—	—	—	—
Guernsey ..	2·0	+0·2	23	1	27	44 6	- 2·9	49·8	- 1·5

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 2nd, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Time.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s. d. hr.	m.p.h	m/s. d. h. m.
0. SCOTLAND, N.																
**Deerness (Cup Anr.) ..	188	16	5	28	6	25 to 29	52	80	30	0	0	290	45	20 28 20	—	— — — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	14	150	4	0	280	14	6 28 20	38	17 28 20 10
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	28	5	59	97	7	0	310	27	12 28 6	44	20 28 23 5
Edinburgh	485	39	31	—	0	28 to 1	35	101	32	0	0	290	30	13 29 2	45	20 28 11 50
6. *a*. SCOTLAND, W.																
Eskdalemuir	825	50	22	28, 29	11	26, 28 to 1	27	57	61	12	0	300	45	20 28 5	65	29 28 9 20
Paisley	188	81	15	—	0	28, 29	3	68	91	6	0	300	29	13 29 4	58	26 28 6 45
2. ENGLAND, N.E.																
South Shields	72	61	12	—	0	26, 28, 29	19	88	61	0	0	290	32	14 28 22	47	21 28 21 50
Spurn Head	67	41	‡	—	0	26 to 29	55	87	26	0	0	280	34	15 26 5	48	21 26 14 55
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	65	103	0	0	340	23	10 26 19	48	21 26 19 5
Shoeburyness	103	90	‡	—	0	26	2	103	54	0	9	290	27	12 26 14	40	18 26 13 35
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	0	—	0	43	94	31	0	290	21	9 26 15	34	15 26 15 30
5. ENGLAND, S.E.																
Brighton	281	53	6	—	0	—	0	24	104	23	17	—	18	8 26 16	31	14 28 13 55
Larkhill, S'y Plain ..	513	63	43	—	0	26, 28	10	105	53	0	0	310	30	13 28 12	40	18 28 11 30
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	6	129	33	0	290	16	7 26 13	30	14 26 15 15
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	43	115	10	0	300	20	9 28 12	35	16 28 10 45
7. *a*. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	26	3	26, 28, 29, 1	40	77	48	0	0	290	43	19 26 8	—	— — — —
Southport	80	62	48	—	0	26, 28, 29, 1	56	75	34	3	0	280	35	16 29 1	47	21 28 12 45
7. *b*. NORTH WALES.																
Holyhead	64	45	‡	—	0	26, 28 to 1	70	76	17	5	0	280	38	17 26 11	62	28 26 10 40
8. *b*. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	—	0	30, 1	3	59	88	18	0	360	25	11 1 1	38	17 1 8 55
Plymouth	185	88	2	—	0	—	0	17	99	52	0	—	21	9 1 2	31	14 1 2 20
Lyme Regis	554	59	‡	—	0	26, 28	6	46	60	56	0	—	31	14 28 12	44	20 28 12 5
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	26 to 1	46	86	36	0	0	270	33	15 26 12	—	— — — —
Quilty	100	40	‡	—	0	—	0	95	60	13	0	—	23	11 1 4	41	19 30 22 25
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	47	77	44	0	190	24	11 30 10	38	17 30 7 45
Weaver Pt.	160	30	‡	—	0	30	1	35	121	11	0	—	25	11 30 15	40	18 30 13 40
11. ENGLISH CHANNEL.																
Scilly (Cup Anr.) ..	150	19	—	—	0	26, 28, 30, 1,	17	69	58	5	19	320	29	13 26 20	—	— — — —

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. (*Vide* Guide to Tables of the W.W.R.)
* Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1922—November 26th to December 2nd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.					mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	54	30	47·8	40·8	44·3	+4 1	19	+ 7	3	− 21	6	+ 1	1·15	29	− 10	0·4	− 0·5	5	1017
Eastern.																			
1. SCOTLAND, EAST ..	55	28	48·4	39·3	43·8	+4·2	20	+ 8	8	− 22	4	0	0·19	5	− 12	1·4	+0·2	19	1018
2. ENGLAND, N.E. ..	55	30	48·1	38·5	43·3	+2·0	19	+ 4	10	− 10	4	0	0·19	5	− 10	1·2	− 0·2	15	1021
3. ENGLAND, EAST ..	54	23	47·8	37·7	42·7	+1·3	17	0	12	− 9	5	+ 1	0·47	12	− 3	0 8	− 0·7	10	1021
4. MIDLAND COUNTIES	55	25	48·7	36·7	42·7	+1·8	20	+ 4	15	− 9	3	− 1	0·16	4	− 13	1·1	− 0·2	14	1023
5. ENGLAND, S.E. ..	54	21	48·5	36·2	42·4	− 0·5	19	− 3	16	+ 1	4	0	0·13	3	− 15	1·4	− 0·2	17	1024
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	54	29	49·5	40 8	45·1	+3·1	25	+ 8	3	− 15	5	0	0·60	15	− 15	—	—	—	1021
7. ENGLAND, N.W. (*and North Wales*)	54	27	49·3	40·8	45·1	+2·6	25	+ 6	3	− 11	5	0	0·27	7	− 17	0·6	− 0·7	7	1024
8. ENGLAND, S.W. (*and South Wales*)	54	22	49·7	38·8	44·3	+0·4	25	0	9	− 3	3	− 2	0·15	4	− 22	1·5	− 0·2	18	1026
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	− 0 5	11	1023
10. IRELAND, SOUTH ..	56	26	50·6	43·2	46·9	+3·0	34	+ 7	0	− 13	2	− 3	0·10	3	− 21	—	—	—	1029
11. CHANNEL ISLANDS (*and Scilly*)	54	32	51·6	43·0	47·3	− 0·2	37	− 3	0	− 2	4	− 1	0·27	7	− 18	1·8	− 0·1	21	1028
MEAN: DISTRICTS 1-10																			

THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, September 3rd to December 2nd, 1922.

0. SCOTLAND, NORTH ..	68	24	51 4	40 7	45 9	− 0 5	465	− 66	109	− 9	59	− 4	9 95	252	−117	2·4	+ 0·1	24	1016
Eastern.																			
1. SCOTLAND, EAST ..	70	18	51·9	39·9	45 7	− 0 6	462	− 94	122	− 29	52	0	5 93	150	− 67	2·8	0 0	27	1017
2. ENGLAND, N.E. ..	69	25	53·2	41·9	47·5	− 0 9	578	− 94	81	− 4	44	− 4	4·77	120	− 57	3·0	− 0·1	29	1018
3. ENGLAND, EAST ..	72	23	54·2	42·5	48·2	− 1·2	649	−121	82	− 7	43	− 4	5·20	132	− 42	3·5	+ 0·1	33	1018
4. MIDLAND COUNTIES	72	20	54 0	40·6	47·2	− 1·1	595	−103	123	+ 6	35	− 12	4·10	103	− 84	2·8	− 0·2	27	1019
5. ENGLAND, S.E. ..	73	20	54·7	42·6	48·5	− 2·1	682	−172	90	+26	36	− 11	5·18	132	− 87	3 4	− 0·2	32	1019
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	72	18	53 6	41·3	47·3	− 0·6	570	− 68	89	0	44	− 10	9 06	232	−109	—	—	—	1018
7. ENGLAND, N.W. (*and North Wales*)	70	25	53 7	42·9	48 2	− 0·9	614	−100	49	− 15	42	− 11	5 60	142	−120	2·9	0 0	28	1019
8. ENGLAND, S.W. (*and South Wales*)	71	20	54 6	43 2	48·8	− 1·7	682	−146	67	+16	35	− 19	6·58	169	−124	3·3	− 0·1	31	1018
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·6	− 0·2	25	1018
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	72	32	56·5	47·9	52·1	− 1·8	918	−170	2	− 3	37	− 20	6·87	175	− 94	3·5	− 0·6	33	1019
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 48 Weeks, January 1st to December 2nd, 1922.

0. SCOTLAND, NORTH ..	76	18	50·8	40·1	45·2	− 0 9	1685	−388	598	− 59	227	+ 3	39·15	995	−166	3·4	+ 0·1	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51 7	39·2	45·2	− 1·3	1815	−479	749	− 19	198	+ 8	25·53	650	− 68	3·6	− 0·3	29	1011
2. ENGLAND, N.E. ..	84	12	54 0	41·3	47·4	− 0·8	2410	−239	590	+33	171	− 1	22·32	567	− 12	4 1	− 0·1	33	1013
3. ENGLAND, EAST ..	89	16	55·4	42·3	48·6	− 0·7	2723	−321	513	− 70	171	+ 4	23·22	590	+37	4 6	0 0	36	1014
4. MIDLAND COUNTIES	86	11	55·2	40 8	47·7	− 1·0	2538	−396	619	− 20	167	+ 1	26·27	667	+51	3·9	− 0 2	31	1014
5. ENGLAND, S.E. ..	88	17	56·1	43·1	49·3	− 1·0	2867	−398	408	− 35	167	+ 4	24·69	628	0	4·6	− 0 2	37	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·2	40 8	46 8	− 1·2	2144	−397	537	+32	193	− 6	39 28	1002	− 60	—	—	—	1013
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·6	42·4	47·8	− 1·1	2368	−408	409	− 37	176	− 7	28·11	715	− 97	4 1	0·0	32	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	55·2	43·2	49·0	− 1·1	2681	−417	335	− 17	176	− 7	32·15	822	− 57	4 4	− 0·1	35	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·6	− 0·1	29	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·6	47·4	51·8	− 0·8	3363	−315	52	− 58	178	− 12	29·04	740	0	4·9	− 0 5	39	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
8th December, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 193

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 49.

FORTY-NINTH WEEK.

SUNDAY, DECEMBER 3RD, TO SATURDAY, DECEMBER 9TH, 1922.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Isles generally the weather of the week was for the most part of an anticyclonic type, being characterised by moderate winds chiefly between west and north-west, very light rainfall and rather high day temperatures. There were again a few rather heavy falls of rain in Scotland, the largest amounts being 33mm. at Achnashellach (Ross-shire) on the 4th and 26mm. on the 5th, while on the latter date Fort William had 24mm., Fort Augustus 23mm., and Stornoway 20mm. In most other parts of the country the measurements were very small, in fact at a few stations the week was rainless. The mean temperature for the week was above the normal in all districts, the largest excess about 5°F. occurring in the Scottish districts and also in Ireland N. Maximum temperatures above 50°F. were registered in most places, the actual highest reading, 55°F., being recorded at Aberdeen on the 5th. The lowest of the minima occurred in most places on the 9th when a number of stations registered readings below 32°F. Ground frosts were general, and at a few stations the readings of the grass thermometer were below 20°F., the lowest being 14°F. at Tunbridge Wells. The mean daily range of temperature varied a good deal in different parts of the country. In some parts of Scotland and the north and east of England the range was about 12°F., whereas at one or two of our western and southern stations it was round about 3°F. Mist or fog was reported in several places. At a few stations in the northern and eastern parts of the country the mean amount of sunshine for the week was slightly in excess of the normal, but in most other places it was below, in fact in a few instances the week was practically sunless. The departure of the mean duration from the normal for the week ranged from +1·1 hours at Clacton to —1·4 hours at Cockle Park (Northumberland) and Llandudno. Solar halos were observed at Stonyhurst on the 3rd, at Ross-on-Wye on the 6th, and at Oxford on the 6th and 7th. Lunar halos were seen at Clacton, Oxford and Ross-on-Wye on the 6th. Lunar rainbows were witnessed at Durham on the 5th and at Inverness on the 4th and 9th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	8	4	1·9	3	4	1·6	5	2	0·8	1	1	0·6	1	9	3·9	0	—	—	5	5	2·2	12	4	1·8
North	12	11	4·7	7	6	2·5	21	8	3·6	14	6	2·6	27	8	3·7	25	8	3·7	11	3	1·2	7	5	2·3
West	20	18	8·1	23	15	6·9	26	9	4·2	16	6	2·9	24	14	6·1	18	10	4·4	26	14	6·4	13	6	2·9
East	2	2	0·7	0	—	—	1	5	2·1	1	2	0·8	4	5	2·3	4	5	2·1	2	6	2·5	6	3	1·3
Calm (or wind-speed < 4 m.p.h.)	2	—	—	5	—	—	0	—	—	11	—	—	0	—	—	1	—	—	0	—	—	9	—	—
No record ...	3	—	—	0	—	—	1	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *see below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year .. Warmth ..	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	—	—	Moderate
Rainfall ..	Moderate	Light	Very Light	Very Light	Very Light	Very Light	Very Light	Very Light	Very Light	—	—	Light
Sunshine ..	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	—	Scanty	Scanty	Very Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 1 week from Dec. 3rd, 1922. Warmth ..	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	—	—	0, 1, 0
Rainfall ..	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	—	—	0, 0, 1
Sunshine ..	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	—	0, 0, 1	0, 0, 1	0, 0, 1	—	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
SCOTLAND, N.																						
t Lerwick	54	50	3rd	33	8th	44·1	39·7	42·0	+2·1	6	0·65	17	− 15	Lerwick	0·4	—	6	—	—	—	—	—
p Deerness, Orkney	165	51	3, 4	35	8th	47·9	41·0	44·6	+4·8	7	1·56	39	+10	Deerness	1·2	+0·4	18	—	—	—	—	—
a Islands *t* Stornoway	51	53	4th	40	8, 9	49·3	43·7	46·6	+6·7	6	1·53	39	− 4	Stornoway	0·6	− 0·3	9	—	—	—	—	—
t Castlebay, Barra I.	37	52	4th	44	6th	49·9	47·7	48·8	—	6	0·24	6	—	Castlebay	—	—	—	—	—	—	—	—
t Wick	81	52	4th	33	8, 9	47·6	40·0	44·0	+5·1	6	0·77	19	− 3									
a Strathpeffer	125	54	4th	32	9th	48·5	41·8	45·3	+7·4	4	0·84	21	− 2									
b, Main- *h* Achnashellach	225	51	4, 5	35	9th	46·7	42·6	44·7	—	6	3·59	91	—	Achnashellach	—	—	—	0	31	—	—	—
land. *h* Inverness	242	53	4th	38	9th	48·4	42·3	45·5	—	4	0·48	12	—	Inverness	1·0	—	15	0	32	—	—	—
a Fort Augustus	68	53	4th	36	3rd	48·4	40·7	44·7	+6·3	5	1·10	28	− 10									
p Fort William	171	53	4th	33	9th	48·7	41·9	45·4	+5·8	6	1·51	38	− 29									
1. SCOTLAND, E.																						
t Nairn	82	53	4th	34	9th	47·7	42·1	45·0	+6·9	4	0·34	9	− 9	Nairn	0·6	—	8	—	—	—	—	—
p Gordon Castle	101	54	4th	31	8th	48·0	39·7	44·0	+4·9	3	0·29	7	− 14	Gordon Castle	0·9	—	13	—	—	—	—	—
t Aberdeen	46	55	5th	31	9th	48·0	40·4	44·4	+5·4	3	0·14	3	− 21	Aberdeen	2·1	+0·7	30	2	27	—	—	44·2	+0·9
a Balmoral	930	52	4th	28	3rd	46·4	34·0	40·5	+5·2	4	0·58	15	− 12	Balmoral	—	—	—	3	26	—	—	—	—
p Crieff	432	54	4th	34	9th	49·3	38·1	43·9	+5·8	3	0·26	7	− 28	Crathes	1·9	+0·5	28	3	25	41·0	—	43·5	—
a Dundee		52	4, 5	34	9th	47·6	37·4	42·7	+4·6	2	0·07	2	− 18	Dundee	1·4	—	20	1	30	40·4	—	—	—
														Inchkeith (F. of Forth)	1·2	—	18	0	37	—	—	—	—
t Inchkeith (F. of Forth)	190	51	5th	40	3, 9	47·9	42·6	45·4	—	2	0·14	4	—									
p Edinburgh	441	51	5th	36	9th	47·6	40·0	44·0	+4·8	2	0·17	4	− 13	Edinburgh	1·2	− 0·4	17	0	34	—	—	—	—
a West Linton	769	50	5, 8	32	3, 7	48·3	36·3	42·5	+7·4	5	0·27	7	—	West Linton	—	—	—	3	26	—	—	—	—
a Marchmont	498	51	4, 5	35	3, 7, 9	47·1	36·7	42·1	+4·5	2	0·15	4	− 18	Marchmont	1·2	− 0·1	17	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	54	4th	41	6, 9	50·1	44·9	47·6	—	5	0·86	22	—	Ford (Argyll)	—	—	—	0	32	45·2	—	46·1	—
t Renfrew	49	52	7th	33	3rd	48·9	40·3	44·8	—	1	0·16	4	—	Renfrew	1·0	—	14	3	26	—	—	—	—
p Rothesay	200	50	3-5	38	9th	48·7	42·1	45·5	+4·5	7	0·63	16	− 22	Rothesay	0·8	—	11	1	26	45·0	—	46·3	+1·4
a Kilmarnock	90	51	7th	40	6, 7	48·4	42·9	45·8	+6·5	4	0·33	9	− 20	Kilmarnock	0·1	—	1	—	—	44·5	—	46·3	—
a Colmonell	170	52	8th	42	9th	49·7	44·7	47·3	+6·3	6	0·30	8	− 31	Colmonell	—	—	—	0	40	—	—	—	—
p Dumfries	160	50	5, 7	33	9th	48·1	40·0	44·2	+4·7	2	0·07	2	− 26	Dumfries	0·2	—	3	1	30	43·6	+3·5	45·6	+1·6
t Eskdalemuir	794	50	5th	27	3rd	45·6	37·1	41·5	—	4	0·22	6	—	Eskdalemuir	0·7	—	10	2	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	51	5th	41	9th	49·0	44·4	46·8	+4·2	6	0·13	3	− 32	Douglas	0·2	− 1.3	2	0	37	—	—	—	—
2. ENGLAND, N.E.																						
p Cockle Park	324	50	5th	32	9th	47·6	36·9	42·5	+4·1	1	0·08	2	− 18	Cockle Park	0·2	− 1·4	3	5	23	40·8	+2·4	43·9	+1·4
t Tynemouth	118	51	5th	35	9th	47·3	40·0	43·8	+3·5	2	0·09	2	− 14	Tynemouth	—	—	—	0	31	—	—	—	—
p Durham	336	52	5th	26	9th	47·6	35·6	41·8	+2·9	2	0·10	3	− 12	Durham	1·3	− 0·1	17	3	18	—	—	—	—
a North ... *p* Rounton	249	51	5th	28	9th	46·3	35·0	40·9	+2·1	3	0·12	3	− 13	Rounton	—	—	—	7	18	41·0	—	—	—
a West Witton	605	49	4, 5	31	9th	47·0	38·1	42·7	—	2	0·07	2	—	West Witton	—	—	—	3	25	41·2	—	44·1	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	51	5th	30	9th	47·7	38·0	43·0	+3·2	2	0·07	2	− 14	York	1·4	+0·5	18	—	—	43·1	+1·3	45·9	+0·1
t Spurn Head	26	49	5th	36	9th	45·9	41·0	43·6	+2·5	4	0·07	2	− 13	Spurn Head	1·2	—	16	—	—	—	—	—	—
b, South ... *a* Lincoln	58	50	4, 5	26	9th	46·6	37·0	42·0	+2·6	2	0·03	1	− 15	Lincoln	—	—	—	2	26	41·2	+1·0	45·0	− 0·5
t Cranwell	237	50	5th	28	9th	46·0	37·7	42·0	+2·5	1	0·02	0·4	− 17	Cranwell	1·5	+0·1	19	2	24	—	—	—	—
														Skegness	2·2	+0·5	29	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	51	5th	34	9th	46·9	39·1	43·2	+2·2	3	0·06	1	− 13	Cromer	1·9	+0·4	24	—	—	—	—	—	—
a Little Massingham	277	49	5th	29	9th	44·9	37·3	41·3	+2·3	3	0·11	3	− 16	Lit Massingham	1·8	+0·5	23	—	—	—	—	—	—
a, North ... *t* Yarmouth	13	51	5th	32	9th	46·0	40·0	43·1	+2·3	4	0·18	5	− 12	Yarmouth	1·6	—	21	1	27	44·4	+2·0	47·1	+0·2
a Norwich	93	50	5th	28	9th	46·4	38·1	42·4	+2·3	4	0·13	3	− 15	Norwich	1·8	—	23	3	22	41·4	—	—	—
a Geldeston	37	52	5th	29	9th	47·1	38·0	42·7	+1·9	4	0·12	3	− 13	Geldeston	1·8	+0·3	23	—	—	—	—	—	—
p Cambridge	41	53	5th	23	9th	47·6	36·7	42·4	+2·3	2	0·06	1	− 13	Cambridge	1·5	+0·2	20	2	20	43·2	+1·3	46·4	− 0·3
t Clacton-on-Sea	54	50	5th	30	9th	46·0	40·7	43·5	+2·6	1	0·02	1	− 12	Clacton-on-Sea	2·7	+1·1	35	1	26	43·3	− 0·3	46·5	− 1·5
b, South ... *a* Rothamsted	420	50	5th	27	9th	44·9	37·9	41·5	+1·5	3	0·04	1	− 18	Rothamsted	1·7	+0·3	22	2	19	41·9	—	—	—
p Tottenham	51	51	5th	26	9th	46·9	39·6	43·4	—	1	0·03	1	—	Tottenham	0·6	—	7	—	—	—	—	—	—
														Southend	1·7	—	22	1	27	43·3	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	49	7th	31	9th	46·0	38·0	42·2	+3·3	1	0·04	1	− 18	Harrogate	1·2	− 0·2	16	1	26	42·2	+1·3	43·9	+0·5
a, North ... *p* Sheffield	429	50	5th	31	9th	47·6	40·0	44·0	—	3	0·09	2	—	Sheffield	1·1	− 0·1	15	1	24	41·7	+0·9	44·3	− 1·2
p Buxton	987	46	4, 5	31	9th	43·9	37·9	41·0	+3·5	4	0·49	12	− 23	Buxton	0·3	—	4	2	28	41·2	+2·4	44·4	0·0
a Worksop	56	52	4th	26	9th	47·7	36·9	42·5	+2·7	2	0·04	1	− 14	Worksop	0·7	− 0·4	9	4	20	41·0	—	44·3	—
t Nottingham	82	52	5th	26	9th	47·6	38·7	43·3	+3·3	1	0·01	0·3	− 15	Nottingham	0·2	− 0·8	3	2	25	40·5	+0·6	43·1	− 0·7
b, East ... *p* Birmingham, Edgbsn.	525	51	5th	35	9th	46·9	40·7	43·9	+3·9	2	0·06	1	− 16	Birmingham	0·5	− 0·5	7	1	26	43·6	+1·3	46·8	− 0·1
a Raunds	213	53	5th	22	9th	47·7	37·4	42·8	+3·7	1	0·02	0·4	− 15	Raunds	1·5	—	19	2	17	42·6	—	—	—
p Oxford	208	52	5th	30	9th	47·6	39·7	43·8	+3·1	2	0·07	2	− 14	Oxford	0·9	− 0·6	11	2	24	—	—	—	—
														Malvern	0·6	—	7	1	29	43·0	—	45·3	—
a Cheadle (N. Staffs.)	646	52	5th	33	9th	45·1	39·1	42·2	+3·4	3	0·20	5	− 16	Cheadle	—	—	—	1	30	—	—	—	—
s, West *p* Tenbury	313	52	5th	32	9th	48·4	39·6	44·2	+3·6	3	0·07	2	− 12	Tenbury	—	—	—	2	27	43·1	—	—	—
a Hereford	291	53	5th	31	9th	47·6	39·3	43·6	+3·2	2	0·10	3	− 15	Ross on Wye	0·5	—	6	2	28	43·3	—	46·2	—
a Clifton	225	50	5th	36	7, 9	47·7	41·1	44·5	+2·5	2	0·04	1	− 23	Clifton	0·3	—	3	0	33	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	49	5th	27	9th	46·3	34·6	40·7	+0·8	1	0·05	1	− 24	Worthing	1·4	− 0·4	17	1	28	43·6	− 0·3	47·3	− 1·2
a Porton	363	49	4, 5	29	9th	46·3	36·6	41·6	—	1	0·04	1	—	Marlborough	0·3	− 0·9	4	—	—	42·3	—	46·5	—
a Wisley, Surrey	150	50	5th	30	9th	46·3	38·0	42·3	+1·3	1	0·01	0·3	− 18	Porton	1·1	—	14	2	21	41·5	—	—	—
h Tunbridge Wells	354	48	3, 5	23	9th	45·3	37·6	41·6	+0·3	1	0·01	0·3	− 26	Wisley, Surrey	1·1	− 0·3	13	2	21	42·9	+0·2	45·9	− 0·8
h Margate	51	51	5th	39	9th	46·1	41·4	43·8	+1·2	0	0·00	0	− 17	Tunbridge Wells	1·3	− 0·1	16	2	14	43·6	—	46·9	—
														Margate	1·2	− 0·2	15	0	35	45·1	+0·9	48·0	+0·6
t Dungeness	21	49	3rd	27	9th	46·0	39·4	42·8	− 0·2	0	0·00	0·1	− 21	Folkestone	2·6	—	32	2	25	—	—	48·7	—
h St. Leonards	178	49	3, 4	34	9th	46·3	40·0	43·3	+0·3	3	0·03	1	− 22	St. Leonards	2·1	+0·3	25	1	23	43·7	—	47·8	—
p Southampton	64	50	4-6	33	7th	48·1	40·4	44·4	+1·5	1	0·04	1	− 25	Southampton	0·9	− 0·7	11	3	23	—	—	—	—
a Ventnor	59	50	5th	36	9th	48·6	41·4	45·1	0·0	1	0·01	0·3	− 25	Ventnor	0·9	− 0·8	12	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	50	5th	29	9th	46·5	41·1	43·9	+2·4	2	0·04	1	− 16	Richmond	0·6	− 0·6	7	2	21	42·4	+0·3	46·4	− 0·5
a Westminster	27	51	5th	29	9th	47·9	39·9	44·1	+1·6	3	0·09	2	− 14	Westminster	0·2	− 0·4	3	2	24	—	—	—	—
ae Greenwich	149	50	5th	24	9th	46·4	38·6	42·7	+1·3	3	0·06	2	− 15	Greenwich	0·2	− 0·9	3	2	25	—	—	—	—
a Hampstead	450	48	5, 6	32	9th	46·1	38·6	42·5	—	3	0·12	3	—	Hampstead	1·3	—	16	4	18	—	—	—	—
a Camden Square	110	50	5th	—	—	46·9	—	—	—	3	0·10	3	− 15	Camden Square	—	—	—	1	26	—	—	—	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	48	5th	34	8th	46·0	37·9	42·1	+2·1	2	0·08	2	− 28	Aspatria	0·3	− 0·9	5	1	30	43·6	+2·3	46·0	+0·4
p Newton Rigg	559	49	5th	31	8th	45·7	36·1	41·1	+2·7	2	0·22	6	− 22	Newton Rigg	0·7	− 0·4	9	2	29	—	—	—	—
p Stonyhurst	375	49	5th	37	7, 9	46·9	40·4	43·8	+3·7	4	0·43	11	− 22	Stonyhurst	0·5	− 0·5	6	0	32	—	—	—	—
h Blackpool	66	50	5th	41	9th	48·0	44·4	46·3	+5·1	3	0·15	4	− 19	Blackpool	0·4	− 0·7	6	0	34	45·9	—	47·6	—
h Southport	37	49	5th	40	9th	47·2	44·3	45·8	+4·6	4	0·14	4	− 18	Southport	0·3	− 0·9	3	0	34	44·2	+4·5	46·1	+2·2
														Hoylake	0·1	− 1·2	2	—	—	—	—	—	—
t Liverpool (Bidston)	188	51	5th	40	9th	47·6	43·9	45·8	+3·8	2	0·04	2	− 17	Liverpool	0·0	—	0	0	35	—	—	—	—
a Hawarden Bridge	22	54	5th	40	9th	50·4	45·0	47·8	+5·3	2	0·13	3	− 13	Manchester City	0·1	− 0·2	2	0	36	43·4	+2·6	46·5	+0·3
p Manchester (Whit. Pk.)	125	50	4, 5	34	7, 9	48·4	41·4	45·0	+3·7	4	0.14	4	− 17	„ Whit. Pk.	0·0	− 0·4	0	—	—	—	—	—	—
b, NORTH WALES.																						
h Llandudno	22	51	5th	36	9th	49·0	41·1	45·2	+1·4	4	0·15	4	− 17	Llandudno	0·0	− 1·4	0	—	—	—	—	—	—
t Holyhead	15	52	5th	43	9th	49·9	46·7	48·4	+4·1	2	0·09	2	− 27	Holyhead	0·4	—	5	0	39	—	—	—	—
a Aberdovey	60	51	5th	37	9th	49·9	44.6	47·4	—	3	0·12	3	—	Aberdovey	0·2	− 1·2	2	0	33	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Gloisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	5th	35	9th	49·9	44·6	47·4	—	4	0·12	3	—	Aberystwyth	Hr. 0·1	Hr. - 1·3	% 2	—	—	—	—	—	—
a Rhayader	757	49	3, 5	33	9th	46·4	40·0	43·3	—	5	0·41	10	—	Rhayader ..	0·1	—	1	1	26	—	—	—	—
t Pembroke	149	51	3, 5	39	9th	49·4	44·7	47·1	+1·6	1	0·12	3	- 30	Pembroke ..	0·9	- 0·6	12	—	—	—	—	—	—
p Cardiff	202	50	3–6	36	9th	48·7	41·1	45·1	+3·4	2	0·10	3	- 32	Cardiff ..	0·3	—	4	1	29	43·7	+1·0	46·9	- 0·3
b, ENGLAND, S.W.																							
h Bath	66	51	5th	33	7, 9	48·1	41·4	44·9	+3·1	2	0·10	3	- 21	Bath	0·2	- 1·3	3	—	—	43·9	—	47·0	—
a Shaftesbury	722	48	5th	33	7th	45·0	37·1	41·2	+0·5	2	0·07	2	- 24	Shaftesbury ..	—	—	—	—	—	43·5	—	46·4	—
a Arlington	613	50	5th	34	9th	47·4	40·1	43·9	+1·9	3	0·16	4	- 44										
h Newquay	190	51	3, 4, 8	42	9th	49·4	46·6	48·1	+1·9	4	0·36	9	- 22	Newquay ..	1·8	- 0·1	22	—	—	47·8	—	49·9	—
a Cullompton	202	51	4, 5, 8	33	7th	49·1	39·0	44·3	+2·1	2	0·08	2	- 29	Cullompton ..	0·9	- 0·5	12	3	24	45·3	—	—	—
t Portland Bill	19	52	3, 4	39	9th	50·0	42·7	46·5	+0·8	1	0·08	2	- 19	Weymouth ..	1·1	—	13	—	—	—	—	—	—
p Plymouth	116	53	8th	37	9th	50·3	43·3	46·9	+1·9	2	0·04	1	- 33	Plymouth ..	1·3	- 0·5	16	1	29	45·5	+0·2	48·8	—
h Falmouth	167	52	8th	41	7th	50·1	44·3	47·3	+1·4	4	0·17	4	- 40	Falmouth ..	1·6	- 0·3	20	0	32	46·3	—	49·2	—
9. IRELAND, N.																							
t Malin Head	71	51	4, 5	42	6th	49·1	45·9	47·6	+5·1	6	0·32	8	- 15	Malin Head ..	0·2	—	3	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	53	5th	35	9th	50·9	42·1	46·7	+6·1	4	0·35	9	- 22	Markree Castle	0·4	- 0·9	5	2	30	47·0	+3·7	48·9	+1·3
b, East .. *p* Armagh.. ..	204	51	5th	37	7th	48·4	41·7	45·2	+4·7	3	0·15	4	- 17	Armagh ..	0·1	- 1·3	1	0	32	45·7	+3·3	47·6	+1·2
t Donaghadee	35	52	5th	38	7th	49·7	44·7	47·3	+5·3	5	0·28	7	- 14										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	34	45·6	+2·1	47·7	+0·8
p Dublin City	54	52	5th	37	7th	49·1	42·1	45·7	+2·5	3	0·15	4	- 13	Phœnix Park	0·4	- 1·3	5	0	31	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Dublin City ..	—	—	—	0	33	—	—	—	—
a, East .. *a* Kilkenny	195	52	5, 8	29	7th	49·0	39·0	44·2	+2·8	1	0·04	1	- 21	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Waterford	137	54	5th	34	7th	49·9	39·9	45·1	+1·9	2	0·03	1	- 27										
p Seskin, Carrick-on-Suir	542	51	5th	35	7th	47·9	39·9	44·1	—	2	0·09	2	—	Seskin ..	0·8	—	11	0	32	—	—	—	—
a Foynes	50	53	4th	40	6, 9	49·7	42·4	46·7	+3·4	5	0·21	5	- 24										
b, West .. *t* Cahirciveen (Val. Obs.)	30	53	4th	36	9th	51·0	42·7	47·0	+1·2	5	0·22	5	- 36	Cahirciveen ..	—	—	—	0	33	—	—	—	—
i Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	1·1	- 0·3	14	—	—	—	—	—	—
t Roche's Point	32	53	5th	38	7th	50·4	44·0	47·3	+2·2	1	0·05	1	- 31										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	53	8th	45	5, 7	51·0	46·7	48·9	+0·9	4	0·25	6	- 26	Scilly ..	1·3	- 0·6	16	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	53	7th	42	7th	51·0	44·1	47·7	+1·5	4	0·22	6	- 26	St. Heliers ..	1·4	- 0·6	17	—	—	—	—	—	—
p Guernsey† ..	173	52	6th	40	3rd	50·9	45·0	48·1	+1·9	2	0·09	2	- 33	Guernsey ..	1·3	- 0·5	16	0	32	46·0	- 1·0	49·1	- 1·5

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, December 9th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Dur-ation.	25 to 38 m.p.h. Dates of Occurrence.	Dur-ation.	13 to 24 m.p.h. Dur-ation.	4 to 12 m.p.h. Dur-ation.	Less than 4 m.p.h. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°			d.	hr.					
**Deerness (Cup Anr.) ..	188	16	5	—	0	2, 4 to 7	51	54	30	19	14	290	36	16	2	9	—	—	—	—	—
1. SCOTLAND, E.																					
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	5, 6	10	26	117	15	0	320	34	15	5	19	55	25	5	19	25
Dyce	305	75	15*	—	0	—	0	20	72	76	0	290	20	9	5	19	52	23	5	17	30
Edinburgh	485	39	31	—	0	4, 5	17	81	45	25	0	260	31	14	5	15	49	22	5	14	30
6. *a.* SCOTLAND, W.																					
Paisley	188	81	15	—	0	5	3	45	84	36	0	310	26	11	5	21	56	25	5	21	15
Eskdalemuir	825	50	22	—	0	5, 6, 7	26	42	43	57	0	300	35	16	5	22	53	24	5	14	5
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	5, 7	2	90	65	11	0	290	29	13	5	18	42	19	5	19	0
Spurn Head	67	41	‡	5	4	5, 6, 7	40	62	61	1	0	290	41	18	5	22	53	24	5	22	0
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	5, 6	13	54	99	2	0	300	26	12	6	2	45	20	6	19	10
Shoeburyness	103	90	‡	—	0	5, 6	6	65	97	0	0	290	32	14	5	23	47	21	5	23	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	—	0	37	68	63	0	310	24	11	6	3	40	18	6	3	0
5. ENGLAND, S.E.																					
§§ Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	27	67	74	0	310	18	8	6	1 3	—	—	—	—	—
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	20	92	45	11	—	—	—	—	—	—	—	—	—	—
Brighton	261	53	6	—	0	—	0	26	112	30	0	—	21	9	6	13	35	16	6	14	30
Larkhill, S'y Plain ..	513	63	43	—	0	5	5	68	95	0	0	310	28	13	5	17	39	17	5	17	0
7. *a.* ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	5, 6	7	5, 6, 7	33	40	73	15	0	290	47	21	5	23	—	—	—	—	—
Southport	80	62	48	5, 6	4	5, 6, 7	37	51	61	15	0	310	40	18	6	4	53	24	5	19	20
7. *b.* NORTH WALES.																					
Holyhead	64	45	‡	—	0	5, 6, 7	32	72	59	5	0	300	36	16	5	23	50	22	5	22	45
8. *b.* ENGLAND, S.W.																					
Plymouth	185	88	2	—	0	—	0	6	126	36	0	—	16	7	5	22	29	13	6	12	35
Pendennis Castle§ ..	256	65	24	—	0	—	0	29	94	45	0	310	17	8	5	23	29	13	5	22	45
Lyme Regis	554	59	‡	—	0	6	2	27	41	98	0	—	25	11	6	1	43	19	6	0	45
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	5, 6, 7	20	75	70	3	0	250	34	15	5	13	—	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	5	1	56	97	14	0	—	25	11	5	21	34	15	5	21	25
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	13	109	46	0	260	18	8	5	14	27	12	5	13	15
Weaver Pt.	160	30	‡	—	0	—	0	8	127	33	0	—	18	8	5	19	30	13	5	19	5
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	0	5, 6	4	63	92	3	6	280	25	11	5	19	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1 (*Vide* Guide to Tables of the W.W.R.) * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.
§§ Data after Dec. 4 are from Robinson Cup Anemometer.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1922—December 3rd to December 9th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	54	32	47·6	41·5	44·7	+5·9	20	+11	1	− 28	6	0	1·43	36	− 6	0·9	+0·2	14	1021
Eastern.																			
1. SCOTLAND, EAST ..	55	28	47·8	38·7	43·5	+5·4	20	+12	9	− 25	3	− 2	0·27	7	− 17	1·4	+0·1	20	1022
2. ENGLAND, N.E. ..	52	26	46·9	37·7	42·5	+2·4	16	+ 6	12	− 14	2	− 2	0·07	2	− 15	1·3	0·0	17	1024
3. ENGLAND, EAST ..	53	23	46·3	38·6	42·6	+2·1	14	0	10	− 17	3	− 2	0·08	2	− 14	1·7	+0·3	22	1024
4. MIDLAND COUNTIES	53	22	47·2	39·0	43·3	+3·3	18	+ 4	8	− 22	2	− 3	0·07	2	− 16	0·7	− 0·6	9	1026
5. ENGLAND, S.E. ..	51	23	46·6	39·1	42·9	+0·6	14	− 7	8	− 11	1	− 4	0·02	1	− 23	1·2	− 0·2	15	1026
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	54	33	49·0	42·8	46·0	+5·1	28	+14	0	− 19	4	− 1	0·35	9	− 31	—	—	—	1024
7. ENGLAND, N.W. (*and North Wales*)	54	31	47·9	41·9	45·0	+3·4	21	+ 6	0	− 20	3	− 2	0·16	4	− 22	0·3	− 0·8	4	1027
8. ENGLAND, S.W. (*and South Wales*)	53	33	48·5	41·4	45·1	+1·5	23	− 2	2	− 11	2	− 3	0·13	3	− 33	0·9	− 0·7	11	1028
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·3	− 1·1	3	1026
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	53	40	51·0	45·3	48·2	+1·1	43	+ 4	0	− 3	3	− 3	0·19	5	− 28	1·3	− 0·5	16	1029
MEAN: DISTRICTS 1-10																			

THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, December 3rd to December 9th, 1922.

0. SCOTLAND, NORTH ..	54	32	47·6	41·5	44·7	+5·9	20	+11	1	− 28	6	0	1·43	36	− 6	0·9	+ 0·2	14	1021
Eastern.																			
1. SCOTLAND, EAST ..	55	28	47·8	38·7	43·5	+5·4	20	+12	9	− 25	3	− 2	0·27	7	− 17	1·4	+ 0·1	20	1022
2. ENGLAND, N.E. ..	52	26	46·9	37·7	42·5	+2·4	16	+ 6	12	− 14	2	− 2	0·07	2	− 15	1·3	0·0	17	1024
3. ENGLAND, EAST ..	53	23	46·3	38·6	42·6	+2·1	14	0	10	− 17	3	− 2	0·08	2	− 14	1·7	+ 0·3	22	1024
4. MIDLAND COUNTIES	53	22	47·2	39·0	43·3	+3·3	18	+ 4	8	− 22	2	− 3	0·07	2	− 16	0·7	− 0·6	9	1026
5. ENGLAND, S.E. ..	51	23	46·6	39·1	42·9	+0·6	14	− 7	8	− 11	1	− 4	0·02	1	− 23	1·2	− 0·2	15	1026
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	54	33	49·0	42·8	46·0	+5·1	28	+14	0	− 19	4	− 1	0·35	9	− 31	—	—	—	1024
7. ENGLAND, N.W. (*and North Wales*)	54	31	47·9	41·9	45·0	+3·4	21	+ 6	0	− 20	3	− 2	0·16	4	− 22	0·3	− 0·8	4	1027
8. ENGLAND, S.W. (*and South Wales*)	53	33	48·5	41·4	45·1	+1·5	23	− 2	2	− 11	2	− 3	0·13	3	− 33	0·9	− 0·7	11	1028
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·3	− 1·1	3	1026
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	53	40	51·0	45·3	48·2	+1·1	43	+ 4	0	− 3	3	− 3	0·19	5	− 28	1·3	− 0·5	16	1029
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 49 Weeks, January 1st to December 9th, 1922.

0. SCOTLAND, NORTH .	76	18	50·7	40·1	45·2	− 0·8	1705	−377	599	− 87	233	+ 3	40·58	1031	−172	3·3	+0·1	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·6	39·2	45·1	− 1·2	1835	−467	758	− 44	201	+ 6	25·80	657	− 85	3·6	− 0·2	28	1012
2. ENGLAND, N.E. ..	84	12	53·8	41·3	47·3	− 0·7	2426	−233	602	+19	173	− 3	22·39	569	− 27	4·1	0·0	32	1014
3. ENGLAND, EAST ..	89	16	55·2	42·2	48·5	− 0·6	2737	−321	523	− 87	174	+ 2	23·30	592	+23	4·5	0·0	36	1014
4. MIDLAND COUNTIES	86	11	55·0	40·8	47·6	− 1·0	2556	−392	627	− 42	169	− 2	26·34	669	+35	3·8	− 0·2	30	1014
5. ENGLAND, S.E. ..	88	17	55·9	43·0	49·2	− 1·0	2881	−405	416	− 46	168	0	24·71	629	− 23	4·6	− 0·1	37	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·1	40·8	46·8	− 1·0	2172	−383	537	+13	197	− 7	39·63	1011	−100	—	—	—	1013
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·5	42·4	47·8	− 1·0	2386	−405	414	− 52	179	− 9	28·27	719	−119	4·0	− 0·1	32	1014
8. ENGLAND S.W. (*and South Wales*)	85	13	55·0	43·2	48·9	− 1·1	2704	−419	337	− 28	178	− 10	32·28	825	− 90	4·4	− 0·1	35	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·6	− 0·1	28	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·5	47·4	51·8	− 0·7	3406	−311	52	− 61	181	− 15	29·23	745	− 28	4·9	− 0·5	39	1016
MEAN: DISTRICTS 1-10..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
15th December, 1922.

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METEOROLOGICAL OFFICE
28 DEC 1922
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 197

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 50.

FIFTIETH WEEK.

SUNDAY, DECEMBER 10TH, TO SATURDAY, DECEMBER 16TH, 1922.

Price 6d, Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the fourth week in succession the general character of the weather was cloudy or dull in most parts of the British Isles. Rain fell in most places during the week and hail was reported at Newquay and Falmouth on the 16th, but with the exception of a few rather heavy falls, notably in Scotland and Ireland, the measurements were small. Amongst the largest amounts recorded were 52mm. at Fort William, 40mm. at Achnashellach (Ross-shire), 25mm. at Fort Augustus and 17mm. at Stornoway on the 12th, 19mm. at Eskdalemuir and Douglas (Isle of Man) on the 13th, 31mm. at Kilkenny, 29mm. at Birr Castle (King's Co.), 28mm. at Seskin (Carrick-on-Suir) and 23mm. at Waterford on the 15th. Taking the week as a whole the temperature was decidedly high for the time of year. The maximum temperatures occurred generally about the middle of the week, when several stations recorded readings of 55°F. and above, the actual highest being 58°F. at Hawarden Bridge (Cheshire.) The night temperatures, during the same period, were also unusually high in many parts of the country, minimum readings round about 50°F. being registered at a number of stations. On the other hand, at the beginning or towards the end of the week, screen minima below 32°F. were obtained in several places, the lowest being 15°F. at Balmoral on the 11th, while ground frosts were recorded at nearly all stations, the grass thermometer registering readings of 10°F. at Balmoral and 19°F. at Cullompton (Devon) on the 11th, and 19°F. at Rounton (N. Riding) on the 15th. The mean temperature for the week was above the normal in all districts, the excess in the Midland counties being 4°F. Mist or fog was reported in several places. Sunshine was scanty in nearly all parts of the country and at several stations the week was again practically sunless. Aurora was witnessed at Gordon Castle (Elgin) on the 14th. A solar halo was observed at Oxford on the 15th. A lunar halo was seen at Clacton on the 10th. A remarkable cloud pendant was seen at Armagh on the 12th in the form of "a long funnel-shaped cloud sloping sharply from south to north and ending in a spherical fuzzy wisp."

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	14	13	5·8	17	10	4·6	18	12	5·2	19	8	3·6	16	16	7·1	20	16	7·2	14	12	5·3	17	13	5·6
North	11	6	2·6	3	3	1·3	4	9	3·9	4	4	1·8	8	6	2·7	2	9	3·8	4	3	1·2	6	6	2·9
West	25	8	3·5	22	13	5·7	22	7	3·1	19	7	3·3	14	7	3·0	14	15	6·8	17	7	3·2	7	9	4·0
East	1	2	0·7	2	5	2·3	0	—	—	2	1	0·3	9	7	3·2	4	5	2·3	3	7	3·2	12	5	2·3
Calm (or wind-speed < 4 m.p.h.)	1	—	—	4	—	—	5	—	—	5	—	—	2	—	—	3	—	—	1	—	—	4	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	7	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England. N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Unusual	—	—	Moderate
	Rainfall ..	Moderate	Light	Moderate	Light	Light	Light	Moderate	Moderate	Light	—	—	Light
	Sunshine ..	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 2 weeks from Dec. 3rd, 1922.	Warmth ..	1, 1, 0	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	0, 2, 0	1, 1, 0	2, 0, 0	1, 1, 0	—	—	0, 2, 0
	Rainfall ..	0, 2, 0	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1	0, 0, 2	—	—	0, 0, 2
	Sunshine ..	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 0 2	0, 1, 1	—	0, 0, 2	0, 0, 2	0, 0, 2	—	0, 0, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.																							
t Lerwick	54	53	13th	35	10, 16	44·0	39·0	41·6	+1·3	7	0·81	21	- 9	Lerwick ..	1·0	—	16	—	—	—	—	—	—
p Deerness, Orkney ..	165	53	13th	36	15, 16	46·1	39·0	42·7	+2·5	7	0·75	19	- 7	Deerness ..	0·9	+0·4	15	—	—	—	—	—	—
a Islands *t* Stornoway	51	50	12th	28	16th	45·0	40·3	43·2	+2·9	5	1·24	32	- 7	Stornoway ..	0·7	+0·1	11	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	53	12th	40	16th	48·4	45·0	46·8	—	5	0·33	9	—	Castlebay ..	0·7	—	10	—	—	—	—	—	—
t Wick	81	53	13th	28	16th	46·0	37·6	42·0	+2·7	4	0·24	6	- 13										
a Strathpeffer	125	57	12th	24	16th	45·4	34·2	40·0	+1·9	4	0·43	11	- 11										
b, Main- *h* Achnashellach ..	225	50	13th	28	10th	43·4	37·6	40·6	—	5	2·28	58	—	Achnashellach	—	—	—	0	24	—	—	—	—
land. *h* Inverness	242	50	13th	28	16th	44·3	35·9	40·3	—	2	0·15	4	—	Inverness ...	0·5	—	8	0	18	—	—	—	—
a Fort Augustus	68	54	12th	23	10th	47·6	32·4	40·3	+1·6	5	1·38	35	- 1										
p Fort William	171	53	13th	25	10th	45·4	35·4	40·6	+0·6	6	2·84	72	+ 9										
1. SCOTLAND, E.																							
t Nairn	82	53	13th	26	16th	43·3	36·7	40·1	+2·1	4	0·14	3	- 9	Nairn ..	0·7	—	10	—	—	—	—	—	—
p Gordon Castle	101	57	13th	29	16th	46·0	35·1	40·8	+1·8	1	0·01	0·3	- 15	Gordon Castle	1·5	—	23	—	—	—	—	—	—
t Aberdeen	46	55	13th	30	16th	43·7	37·0	40·5	+1·6	2	0·09	2	- 16	Aberdeen ..	0·9	- 0·2	13	4	22	—	—	43·7	+1·1
a Balmoral	930	55	12th	15	11th	44·0	26·9	35·8	+0·6	1	0·09	2	- 16	Balmoral	—	—	—	4	10	—	—	—	—
p Crieff	432	54	13th	28	10, 11	45·3	34·3	40·0	+2·0	4	0·66	17	- 7	Crathes ..	1·2	+0·2	18	4	20	39·4	—	43·0	—
a Dundee		54	12th	28	11th	46·7	33·4	40·3	+2·3	2	0·59	15	0	Dundee ..	1·1	—	17	5	25	39·7	—	—	—
														Inchkeith (F. of Forth)	0·4	—	6	0	33	—	—	—	—
t Inchkeith (F. of Forth)	190	54	13th	35	10th	46·6	41·7	44·3	—	2	0·20	5	—										
p Edinburgh	441	55	13th	30	10th	47·0	38·6	43·0	+3·8	3	0·22	6	- 6	Edinburgh ..	0·5	- 0·7	8	2	22	—	—	—	—
a West Linton	769	53	12th	26	16th	49·6	34·7	42·5	+7·4	6	0·38	10	—	West Linton ..	—	—	—	3	23	—	—	—	—
a Marchmont	498	52	12, 13	31	15th	45·4	37·1	41·4	+3·9	3	0·47	12	- 3	Marchmont ..	0·7	- 0·3	10	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	54	13, 14	30	16th	48·0	36·0	42·2	—	5	0·95	24	—	Ford (Argyll)	—	—	—	5	27	43·7	—	46·0	—
t Renfrew	49	52	13th	27	16th	46·6	38·1	42·5	—	6	0·49	13	—	Renfrew ..	0·4	—	6	3	20	—	—	—	—
p Rothesay	200	55	13th	36	10, 16	47·7	38·9	43·5	+2·8	6	1·05	27	- 4	Rothesay ..	0·3	—	5	3	28	43·6	—	46·0	+1·6
a Kilmarnock	90	55	12th	30	16th	48·1	38·7	43·6	+4·5	3	0·58	15	- 8	Kilmarnock ..	0·4	—	6	—	—	43·7	—	46·2	—
a Colmonell	170	54	12th	30	15th	47·4	39·1	43·4	+2·7	4	0·80	20	- 11	Colmonell ..	—	—	—	1	26	—	—	—	—
p Dumfries	160	53	13th	28	15th	45·7	35·9	41·0	+1·9	6	0·83	21	- 2	Dumfries ..	0·0	—	0	3	21	43·5	+3·9	45·1	+1·7
t Eskdalemuir	794	50	13th	24	10th	42·6	35·0	39·0	—	5	1·50	38	—	Eskdalemuir	0·0	—	0	4	20	—	—	—	—
b, I. OF MAN *h* Douglas	284	52	13th	35	15th	47·3	41·0	44·3	+2·0	6	1·72	44	+16	Douglas ..	0·1	- 1·2	1	1	29	—	—	—	—
2. ENGLAND, N.E.																							
p Cockle Park	324	53	13, 14	32	11, 15	45·7	37·1	41·6	+3·4	3	0·77	20	+ 4	Cockle Park ..	1·4	- 0·1	20	4	21	41·6	+3·6	43·3	+1·3
t Tynemouth	118	54	13, 14	33	16th	46·9	41·1	44·1	+4·0	3	0·69	17	+ 5	Tynemouth ..	—	—	—	1	29	—	—	—	—
p Durham	336	53	13, 14	29	15, 16	47·4	36·6	42·2	+3·6	4	0·56	14	+ 2	Durham ..	1·3	- 0·1	17	3	21	—	—	—	—
a North .. *p* Rounton	249	54	13th	29	15th	46·3	37·4	42·0	+3·5	4	0·34	9	- 4	Rounton ..	—	—	—	3	19	40·9	—	—	—
a West Witton	605	53	13th	31	15th	45·9	39·3	42·7	—	5	0·68	17	—	West Witton	—	—	—	2	26	41·3	—	44·0	—
h Scarborough	118	55	13th	35	12, 13	47·0	40·4	43·8	+3·4	3	0·26	7	- 7	Scarborough †	0·0	- 1·0	0	—	—	—	—	44·6	—
p York	56	56	13, 14	35	12, 15	48·3	40·4	44·5	+5·0	2	0·15	4	- 9	York ..	0·2	- 0·6	2	—	—	42·7	+1·6	45·2	+0·1
t Spurn Head	26	52	13th	34	12th	46·0	41·1	43·7	+3·0	2	0·13	3	- 9	Spurn Head ..	0·1	—	1	—	—	—	—	—	—
b, South .. *a* Lincoln	58	53	13th	37	10th	47·6	38·7	43·3	+4·3	2	0·06	2	- 11	Lincoln ..	—	—	—	2	27	41·5	+1·7	44·6	- 0·3
t Cranwell	237	53	13th	30	12th	46·0	40·4	43·3	+4·1	3	0·13	3	- 10	Cranwell ..	0·3	- 1·0	4	1	28	—	—	—	—
														Skegness ..	0·2	- 1·5	2	—	—	—	—	—	—
3. ENGLAND, E.																							
a Cromer	196	52	13th	31	12th	47·1	39·1	43·3	+2·8	2	0·17	4	- 9	Cromer ..	0·0	- 1·4	0	—	—	—	—	—	—
a Little Massingham ..	277	51	13th	31	10th	46·0	38·6	42·5	+3·9	2	0·32	8	- 10	Lit Massingham	0·0	- 1·2	0	—	—	—	—	—	—
a, North .. *t* Yarmouth	13	52	13th	33	12th	45·7	39·6	42·8	+2·5	3	0·13	3	- 13	Yarmouth ..	0·4	—	5	2	29	42·9	+1·0	48·1	- 0·2
a Norwich	93	53	13th	33	10, 12	47·3	38·6	43·1	+3·4	2	0·18	5	- 12	Norwich ..	0·1	—	1	2	27	40·6	—	—	—
a Geldeston	37	50	12th	31	10th	45·6	38·6	42·2	+1·8	2	0·14	3	- 12	Geldeston ..	0·4	- 1·0	5	—	—	—	—	—	—
p Cambridge	41	54	13th	30	12th	47·6	37·7	42·9	+3·1	2	0·07	2	- 11	Cambridge ..	0·3	- 1·0	4	2	22	42·7	+1·3	46·0	- 0·1
t Clacton-on-Sea ..	54	48	13th	36	10, 12	44·4	40·3	42·4	+1·9	2	0·16	4	- 8	Clacton-on-Sea	0·7	- 0·8	9	1	29	41·8	- 1·1	45·7	- 1·7
b, South .. *a* Rothamsted ..	420	51	13th	30	10, 12	46·1	37·3	41·9	+2·2	2	0·03	1	- 17	Rothamsted	0·4	- 0·9	5	4	22	41·0	—	—	—
p Tottenham	51	52	13th	38	10, 11	46·1	42·1	44·2	—	1	0·06	2	—	Tottenham ..	0·0	—	0	—	—	—	—	—	—
														Southend ..	0·4	—	5	0	34	42·1	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	53	13th	34	15th	46·1	38·7	42·6	+4·0	3	0·26	7	- 12	Harrogate ..	0·2	- 1·1	2	2	29	42·3	+2·0	43·5	+0·7
a, North .. *p* Sheffield	429	54	13th	33	12th	48·0	40·7	44·5	—	3	0·15	4	—	Sheffield ..	0·4	- 0·8	5	1	27	41·6	+1·3	43·9	- 0·9
p Buxton	987	50	13, 14	33	12th	44·9	38·7	41·9	+4·7	3	0·20	5	- 33	Buxton ..	0·2	—	3	2	30	40·6	+2·3	44·2	+0·4
a Worksop	56	56	13th	30	10th	48·3	39·1	43·9	+4·5	3	0·11	3	- 13	Worksop ..	0·5	- 0·5	7	3	22	41·7	—	43·9	—
t Nottingham	82	53	13, 14	29	12th	46·9	41·7	44·4	+4·7	3	0·20	5	- 11	Nottingham ..	0·1	- 0·8	1	2	25	42·2	+2·7	42·6	- 0·5
b, East .. *p* Birmingham, Edgbsn. ..	525	52	13th	34	11, 12	46·7	40·1	43·5	+3·9	3	0·50	13	- 5	Birmingham	0·0	- 0·9	0	3	28	43·3	+1·4	46·7	+0·3
a Raunds	213	53	13th	28	10th	48·3	38·1	43·4	+4·7	2	0·18	5	- 11	Raunds ..	0·2	—	3	2	27	42·1	—	—	—
p Oxford	208	53	13th	36	11th	47·6	42·3	45·1	+4·7	2	0·06	2	- 14	Oxford ..	0·7	- 0·7	9	1	28	—	—	—	—
														Malvern	0·5	—	6	2	26	42·4	—	45·0	—
a Cheadle (N. Staffs.) ..	646	51	14th	33	12th	45·7	38·7	42·3	+3·9	3	0·21	5	- 17	Cheadle	—	—	—	2	27	—	—	—	—
c, West .. *p* Tenbury	313	53	13th	29	11th	47·3	38·7	43·2	+2·7	3	0·53	13	- 1	Tenbury ..	—	—	—	2	24	42·8	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	0·6	—	8	3	23	43·4	—	45·9	—
a Clifton	225	54	13th	31	11th	48·4	41·0	44·9	+3·1	2	0·19	5	- 20	Clifton ..	0·5	—	7	0	31	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	52	13th	30	11th	47·1	39·7	43·6	+3·9	2	0·08	2	- 20	Worthing ..	0·8	- 1·0	10	1	28	42·9	- 0·3	47·0	- 0·9
a Porton	363	51	13th	31	10th	47·6	37·3	42·7	—	1	0·07	2	—	Marlborough	0·7	- 0·5	8	—	—	42·4	—	46·1	—
a Wisley, Surrey ..	150	50	12, 13	31	10th	47·4	38·4	43·1	+2·3	1	0·11	3	- 12	Porton	0·9	—	11	1	24	42·7	—	—	—
h Tunbridge Wells ..	354	50	15th	33	10th	45·1	38·6	42·0	+1·0	1	0·38	10	- 11	Wisley, Surrey	0·6	- 0·8	7	3	22	42·5	+0·3	45·3	- 0·9
h Margate	51	51	15th	38	12th	46·4	39·6	43·1	+0·9	1	0·27	7	- 7	Tunbridge Wells	0·6	- 0·8	8	2	24	42·6	—	46·2	—
														Margate ..	0·6	- 0·8	8	0	35	43·5	- 0·1	47·3	+0·6
t Dungeness	21	48	15, 16	32	10th	45·6	40·7	43·3	+0·7	2	0·24	6	- 11	Folkestone ..	1·2	—	15	1	29	—	—	48·4	—
h St. Leonards	178	47	13th	35	10th	45·7	40·6	43·3	+0·7	2	0·32	8	- 11	St. Leonards ..	1·2	- 0·5	15	0	31	42·3	—	47·0	—
p Southampton	64	52	13th	37	10th	48·1	42·7	45·5	+2·8	2	0·19	5	- 18	Southampton	0·4	- 1·1	5	1	28	—	—	—	—
a Ventnor	59	51	16th	36	10th	47·9	40·9	44·5	- 0·3	1	0·45	11	- 9	Ventnor ..	0·8	- 1·0	10	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	51	13th	36	10th	46·8	41·6	44·3	+3·0	1	0·04	1	- 13	Richmond	0·3	- 0·9	4	1	29	41·5	- 0·1	45·9	- 0·4
a Westminster	27	53	13th	30	10th	48·9	40·0	44·6	+2·3	3	0·07	2	- 11	Westminster	0·1	- 0·5	1	1	25	—	—	—	—
ae Greenwich ..	149	51	13th	29	10th	47·3	38·0	42·8	+1·7	2	0·07	2	- 12	Greenwich ..	0·3	- 0·8	4	2	26	—	—	—	—
a Hampstead	450	50	13th	36	10, 11	45·3	39·9	42·7	—	1	0·05	1	—	Hampstead ..	0·2	—	2	2	26	—	—	—	—
a Camden Square ..	110	52	13th	28	10th	48·3	38·3	43·5	+2·1	2	0·06	2	- 13	Camden Square	—	—	—	1	29	42·2	—	46·2	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	51	12-14	31	15, 16	45·7	37·3	41·7	+2·2	6	1·12	28	+ 1	Aspatria	0·2	- 0·8	3	2	29	43·6	+3·0	45·7	+0·8
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	54	13th	32	10th	46·7	38·1	42·6	+2·9	4	0·57	15	- 15	Stonyhurst ..	0·0	- 0·8	0	1	26	—	—	—	—
h Blackpool	66	54	13th	29	10th	46·1	40·3	43·3	+2·6	4	0·48	12	- 8	Blackpool ..	0·1	- 0·9	1	2	20	44·7	—	47·4	—
h Southport	37	55	13th	32	10th	46·7	41·5	44·2	+3·6	3	0·26	7	- 13	Southport ..	0·1	- 0·9	1	2	23	42·4	+3·2	45·4	+2·1
														Hoylake ..	0·3	- 0·9	4	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	55	12, 13	37	10, 11	48·9	41·4	45·3	+3·8	3	0·29	7	- 9	Liverpool	0·4	—	5	2	29	—	—	—	—
a Hawarden Bridge ..	22	58	13th	37	11th	51·4	44·4	48·0	+5·9	1	0·27	7	- 7	Manchester City	0·0	- 0·2	0	0	32	42·5	+2·1	46·3	+0·8
p Manchester (Whit. Pk.)	125	54	13, 14	30	10th	48·6	41·6	45·2	+4·3	3	0·39	10	- 10	,, Whit. Pk.	0·1	- 0·3	1	—	—	—	—	—	—
b, NORTH WALES.																							
h Llandudno	22	57	13th	34	10th	50·3	41·0	45·8	+2·4	3	0·41	10	- 9	Llandudno ..	0·7	- 1·4	10	—	—	—	—	—	—
t Holyhead	15	52	12, 13	41	10th	48·9	45·4	47·2	+3·3	5	0·91	23	- 3	Holyhead ..	0·0	—	0	0	39	—	—	—	—
a Aberdovey	60	53	13th	37	10th	50·0	43·0	46·6	—	6	0·73	19	—	Aberdovey ..	0·4	- 0·7	6	0	31	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	54	13, 14	36	10th	50·9	43·0	47·1	—	4	0·85	22	—	Aberystwyth	0·5	- 0·7	7	—	—	—	—	—	—
a Rhayader	757	51	13, 14	29	10th	46·9	38·4	42·8	—	5	0·96	24	—	Rhayader ..	1·0	—	13	3	21	—	—	—	—
t Pembroke	149	52	14th	41	10th	49·9	45·9	48·0	+2·8	6	0·88	22	- 6	Pembroke ..	0·1	- 1·3	1	—	—	—	—	—	—
p Cardiff	202	53	13th	35	11th	48·9	42·4	45·8	+4·4	3	0·57	14	- 17	Cardiff ..	1·2	—	16	1	27	43·3	+1·3	46·5	- 0·1
b, ENGLAND, S.W.																							
h Bath	66	54	13th	27	11th	48·3	40·3	44·5	+3·1	2	0·13	3	- 18	Bath	0·5	- 0·9	6	—	—	43·5	—	46·7	—
a Shaftesbury	722	50	13th	33	11th	45·7	37·7	41·9	+1·8	2	0·14	3	- 19	Shaftesbury ..	—	—	—	—	—	42·9	—	46·0	—
a Arlington	613	52	13th	31	11th	48·6	40·8	44·9	+3·4	5	0·66	17	- 24										
h Newquay	390	55	13th	35	11th	51·1	44·7	48·0	+2·1	4	0·33	8	- 19	Newquay ..	0·9	- 0·7	11	—	—	47·2	—	49·6	—
a Cullompton	202	54	13th	27	11th	50·3	39·3	45·0	+3·2	3	0·27	7	- 20	Cullompton ..	1·0	- 0·2	13	2	19	44·8	—	—	—
t Portland Bill	19	52	13, 14, 16	36	10, 11	49·6	41·4	45·7	+0·5	1	0·16	4	- 14	Weymouth ..	1·0	—	13	—	—	—	—	—	—
p Plymouth	116	53	13th	30	11th	51·0	44·0	47·6	+3·0	4	0·26	7	- 23	Plymouth ..	1·0	- 0·6	12	2	24	45·1	+0·5	48·5	—
h Falmouth	107	54	13, 14	37	11th	51·6	45·3	48·6	+3·0	4	0·42	11	- 27	Falmouth ..	1·0	- 0·7	12	2	28	46·4	—	48·7	—
9. IRELAND, N.																							
t Malin Head	71	53	12th	35	11th	46·7	42·0	44·4	+2·0	3	0·08	2	- 17	Malin Head ..	1·3	—	18	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	54	12th	34	15th	49·1	40·4	44·9	—	4	1·18	30	—	Mallarany ..	0·3	—	5	3	24	—	—	—	—
p Markree Castle.. ..	122	55	13th	27	15th	48·1	37·7	43·1	+2·5	4	0·36	9	- 18	Markree Castle	0·5	- 0·6	7	2	25	46·0	+3·5	48·7	+1·8
b, East .. *p* Armagh.. ..	204	55	12, 13	29	15th	48·0	38·6	43·5	+3·2	5	0·91	23	+ 5	Armagh ..	0·4	- 0·8	6	1	24	45·5	+3·7	47·3	+1·5
t Donaghadee	35	55	13th	36	10th	48·9	43·0	46·1	+4·3	4	0·26	7	- 11										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	31	46·2	+3·3	47·5	+1·3
p Dublin City	54	56	13, 14	34	15th	51·1	42·7	47·1	+4·3	4	0·49	12	- 2	Phœnix Park	0·0	- 1·6	0	1	24	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Dublin City ..	—	—	—	1	28	—	—	—	—
a, East .. *a* Kilkenny	195	55	12, 13	36	15th	48·6	41·6	45·2	+4·1	5	1·67	42	+22	Birr Castle ..	—	—	—	—	—	—	—	—	—
a Waterford	137	53	12th	38	16th	50·1	43·6	47·0	+4·0	6	1·53	39	+13										
p Seskin, Carrick-on-Suir	542	53	12th	35	16th	47·7	41·0	44·5	—	6	1·78	45	—	Seskin ..	0·0	—	0	0	34	—	—	—	—
a Foynes	50	56	12th	33	16th	49·1	41·6	45·5	+2·4	5	1·60	41	+14										
b, West .. *t* Cahirciveen (Val. Obs.)	30	55	12, 13	35	16th	50·4	44·7	47·7	+2·1	5	1·30	33	- 4	Cahirciveen ..	0·2	- 1·1	3	0	31	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	0·1	- 1·3	1	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	53	12-15	42	10th	52·0	48·1	50·1	+2·4	5	0·54	14	- 13	Scilly ..	0·3	- 1·5	4	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	53	16th	35	10th	47·3	40·4	44·0	- 1·6	1	0·04	1	- 24	St. Heliers ..	0·7	- 1·2	9	—	—	—	—	—	—
p Guernsey† ..	173	53	16th	38	10th	49·0	43·3	46·3	+0·6	2	0·20	5	- 23	Guernsey ..	0·8	- 0·9	9	1	28	44·9	- 1·4	49·0	- 0·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 16th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	13	1	12, 13	16	67	82	2	0	250	40	18	13	8	—	—	—	—	—
1. SCOTLAND, E.																					
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	12	2	16	126	24	0	210	25	11	12	24	46	20	12	23	10
Dyce	305	75	15*	—	0	—	0	6	65	97	0	200	15	7	13	4	37	17	13	0	10
Edinburgh	485	39	31	—	0	12, 13	22	63	48	35	0	210	38	17	12	19	60	27	12	18	5
6. *a.* SCOTLAND, W.																					
Paisley	188	81	15	—	0	12	2	39	76	51	0	190	28	13	12	19	55	25	12	19	5
Eskdalemuir	825	50	22	—	0	12, 13	19	47	48	51	3	230	37	17	13	4	51	23	13	1	15
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	13	3	49	86	30	0	260	32	14	13	2	55	25	13	1	35
Spurn Head	67	41	‡	—	0	13	1	98	50	19	0	220	26	12	13	5	38	17	13	5	15
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	—	0	74	73	21	0	210	23	10	12	23	36	16	12	23	5
Shoeburyness	103	90	‡	—	0	12, 14, 16	11	64	71	0	22	210	29	13	14	5	38	17	16	{15 / 13}	{15 / 50}
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	14	2	90	56	20	0	200	25	11	1	14	38	17	14	14	25
5. ENGLAND, S.E.																					
§§ Richmond (Kew Obs.) ..	82	65	7	—	0	—	0	50	88	30	0	230	18	8	16	12	—	—	—	—	—
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	24	116	28	0	240	19	9	16	13	34	15	16	13	15
Brighton	281	53	6	—	0	—	0	39	68	30	31	—	17	8	12	13	29	13	14	3	55
Larkhill, S'y Plain ..	513	63	43	—	0	13, 16	9	97	62	0	0	270	27	12	16	12	35	16	13	10	35
7. *a.* ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	64	92	12	0	200	23	10	13	4	—	—	—	—	—
Southport	80	62	48	—	0	13	7	58	86	17	0	220	29	13	13	12	47	21	13	11	35
7. *b.* NORTH WALES.																					
Holyhead	64	45	‡	—	0	11, 12, 13, 16	32	62	59	15	0	190	31	14	13	7	48	21	13	6	10
8. *b.* ENGLAND, S.W.																					
Plymouth	185	88	2	—	0	11 to 16	35	84	18	31	0	—	31	14	14	11	38	17	16	1	0
Pendennis Castle§ ..	256	65	24	—	0	11 to 16	64	66	26	12	0	200	33	15	14	1	43	19	14	10	50
Lyme Regis	554	59	‡	—	0	13, 16	2	64	46	56	0	—	27	12	16	10	40	18	16	10	50
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	—	0	13, 16	4	44	77	4	39	200	26	12	13	3	—	—	—	—	—
Quilty	100	40	‡	—	0	12, 13, 16	15	64	86	3	0	—	28	13	12	24	42	19	16	19	5
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	11, 12, 13	23	76	45	24	0	200	31	14	13	2	49	22	13	1	45
Weaver Pt.	160	80	‡	—	0	11 to 13	27	83	41	17	0	—	34	15	13	1	55	25	13	0	40
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	15	3	14, 15, 16	20	105	21	14	5	270	40	18	15	21	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory. † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.
§§ Cup Anemometer.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1922—December 10th to December 16th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	hr	hr	%	mb.
0. SCOTLAND, NORTH ..	57	23	45·4	36·6	41·2	+2·0	10	+ 1	15	− 12	5	− 1	1·32	34	− 4	0·7	+0·2	11	1012
Eastern.																			
1. SCOTLAND, EAST ..	57	15	45·5	35·4	40·7	+2·6	10	+ 1	19	− 16	3	− 1	0·25	6	− 11	0·9	− 0·1	13	1015
2. ENGLAND, N.E. ..	56	27	46·8	39·2	43·2	+3·3	16	+ 5	8	− 20	3	− 1	0·34	9	− 4	0·6	− 0·7	8	1019
3. ENGLAND, EAST ..	54	30	46·2	39·1	42·8	+2·6	14	+ 1	8	− 20	2	− 2	0·14	4	− 11	0·3	− 1·0	4	1023
4. MIDLAND COUNTIES	56	28	47·3	39·8	43·7	+4·0	18	+ 5	6	− 25	3	− 1	0·25	6	− 12	0·4	− 0·8	5	1021
5. ENGLAND, S.E. ..	52	30	46·8	40·0	43·5	+1·4	16	− 4	6	− 13	1	− 3	0·21	5	− 14	0·7	− 0·7	9	1024
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	55	27	47·3	38·2	42·9	+2·2	17	+ 4	11	− 10	5	0	0·92	23	− 9	—	—	—	1017
7. ENGLAND, N.W. (*and North Wales*)	58	29	48·4	41·3	44·9	+3·7	22	+ 8	2	− 19	3	− 2	0·54	14	− 9	0·3	− 0·7	4	1019
8. ENGLAND, S.W. (*and South Wales*)	54	27	49·1	41·5	45·5	+2·3	26	+ 3	1	− 13	3	− 2	0·45	11	− 20	0·7	− 0·7	9	1021
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·5	− 0·8	6	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	53	35	49·4	43·9	46·8	+0·1	34	− 2	0	− 4	3	− 2	0·26	7	− 19	0·6	− 1·2	7	1023
MEAN: DISTRICTS 1-10																			

THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, December 3rd to December 16th 1922.

0. SCOTLAND, NORTH ..	57	23	46·5	39·1	42·9	+3·9	30	+12	16	− 40	11	− 1	2·75	70	− 10	0·8	+ 0·2	12	1017
Eastern.																			
1. SCOTLAND, EAST ..	57	15	46·7	37·1	42·1	+4·0	30	+13	28	− 41	6	− 3	0·52	13	− 28	1·1	0·0	16	1019
2. ENGLAND, N.E. ..	56	26	46·9	38·5	42·9	+2·9	32	+11	20	− 34	5	− 3	0·41	11	− 19	1·0	− 0·3	13	1021
3. ENGLAND, EAST ..	54	23	46·3	38·9	42·7	+2·4	28	+ 1	18	− 37	5	− 4	0·22	6	− 25	1·0	− 0·4	13	1023
4. MIDLAND COUNTIES	56	22	47·3	39·4	43·5	+3·6	36	+ 9	14	− 47	5	− 4	0·32	8	− 28	0·5	− 0·7	7	1023
5. ENGLAND, S.E. ..	52	23	46·7	39·5	43·2	+1·0	30	− 11	14	− 24	2	− 7	0·23	6	− 37	1·0	− 0·5	12	1025
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	55	27	48·1	40·5	44·5	+3·7	45	+18	11	− 29	9	− 1	1·27	32	− 40	—	—	—	1021
7. ENGLAND, N.W. (*and North Wales*)	58	29	48·1	41·6	44·9	+3·5	43	+14	2	− 39	6	− 4	0·70	18	− 31	0·3	− 0·7	4	1023
8. ENGLAND, S.W. (*and South Wales*)	54	27	48·8	41·5	45·3	+1·9	49	+ 1	3	− 24	5	− 5	0·58	14	− 53	0·8	− 0·7	10	1025
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·3	− 1·0	5	1021
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	53	35	50·2	44·6	47·5	+0·6	77	+ 2	0	− 7	6	− 5	0·45	12	− 47	1·0	− 0·8	12	1026
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 50 Weeks, January 1st to December 16th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·6	40·1	45·1	− 0·8	1715	−376	614	− 99	238	+ 2	41·90	1065	−176	3·3	+0·1	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·5	39·1	45·1	− 1·0	1845	−466	777	− 60	204	+ 5	26·05	663	− 96	3·5	− 0·2	28	1012
2. ENGLAND, N.E. ..	84	12	53·7	41·2	47·2	− 0·7	2442	−228	610	− 1	176	− 4	22·73	578	− 31	4·0	− 0·1	32	1014
3. ENGLAND, EAST ..	89	16	55·0	42·2	48·3	− 0·6	2751	−320	531	−107	176	0	23·44	596	+12	4·4	− 0·1	36	1015
4. MIDLAND COUNTIES	86	11	54·9	40·7	47·5	− 0·9	2574	−387	633	− 67	172	− 3	26·59	675	+23	3·7	− 0·3	30	1014
5. ENGLAND, S.E. ..	88	17	55·7	42·9	49·1	− 0·9	2897	−409	422	− 59	169	− 3	24·92	634	− 37	4·5	− 0·1	36	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	53·0	40·8	46·7	− 1·0	2189	−379	548	+ 3	202	− 7	40·55	1034	−109	—	—	—	1013
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·4	42·4	47·7	− 0·9	2408	−397	416	− 71	182	− 11	28·81	733	−128	3·9	− 0·1	32	1014
8. ENGLAND, S.W. (*and South Wales*)	85	13	54·9	43·2	48·8	− 1·0	2730	−416	338	− 41	181	− 12	32·73	836	−110	4·3	− 0·1	35	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·5	− 0·1	28	1013
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·4	47·3	51·7	− 0·7	3440	−313	52	− 65	184	− 17	29·49	752	− 47	4·8	− 0·5	39	1016
MEAN: DISTRICTS 1-10 ..	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
22nd December, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 201

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) } No. 51.

FIFTY-FIRST WEEK.

SUNDAY, DECEMBER 17TH, TO SATURDAY, DECEMBER 23RD, 1922.

Price 6d. Net, Post Free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

METEOROLOGICAL OFFICE C 4 JAN 1923 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was of a very disturbed character. Strong westerly or south-westerly winds were general and in several parts of the country severe gales were recorded. Thunderstorms occurred in several places and at a number of stations snow or hail was reported. In most parts of the country rain (or snow) fell nearly every day of the week, and in many instances the falls were decidedly heavy, a large number of stations recording individual amounts considerably above 25mm. Amongst the largest measurements recorded were, 46mm. at Arlington, 41mm. at Cullompton, 39mm. at Cardiff and 36mm. at Plymouth on the 19th, 31mm. at Harrogate, Hodsock Priory (Worksop) and at Cheadle (Staffs.) on the 20th, and 35mm. at Southampton on the 21st. The total amount for the week was above the normal in all parts of the country and in several Districts the excess was very large; the Midland Counties having 509 per cent. of the normal and the English Channel District 424 per cent. Snow to the depth of 3 or 4 inches was lying over a considerable area in the Midland Counties in the middle of the week. The mean temperature for the week was above the normal in all districts with exception of Ireland, N. and Ireland S. where it was below. Maximum temperatures of about 50°F. were recorded in many places, the highest readings occurring in England, S.W. and the Channel Islands. There were no very low night-temperatures recorded over England but in some parts of Scotland and Ireland readings several degrees below 32°F. were obtained the lowest being 21°F. at Balmoral on the 17th and at Fort Augustus on the 22nd. Ground frost occurred in most places, the lowest reading of the grass thermometer, 18°F., being registered at Cockle Park (Northumberland)on the 20th. The mean amount of sunshine for the week was below the normal at most of the northern stations, but generally above elsewhere. The departure of the mean duration from the normal for the week ranged from +1·9 hours at Cranwell to—0·9 hour at Durham and Aspatria. Solar halos were observed at Ross-on-Wye on the 17th and at Oxford on each day of the week with the exception of the 20th. Lunar halos were seen at Oxford on the 22nd and 23rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	25	17	7·8	22	13	5·9	24	16	7·1	26	10	4·5	20	16	7·0	—	—	—	26	14	6·1	18	16	7·0
North	0	—	—	2	11	4·7	0	—	—	1	1	0·4	6	11	4·7	—	—	—	1	2	0·9	10	7	3·1
West	2	3	1·5	18	11	5·1	22	9	3·8	23	7	3·2	25	16	7·3	—	—	—	23	14	6·1	24	19	8·6
East	24	13	5·8	9	5	2·3	2	6	2·7	2	6	2·8	3	5	2·4	—	—	—	4	6	2·9	4	7	3·1
Calm (or wind-speed < 4 m.p.h.)	2	—	—	1	—	—	3	—	—	1	—	—	0	—	—	—	—	—	0	—	—	0	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England, N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	—	—	Unusual
	Rainfall ..	Moderate	Heavy	Very Heavy	Very Heavy	Very Heavy	Very Heavy	Heavy	Very Heavy	Very Heavy	—	—	Very Heavy
	Sunshine ..	Abundant	Moderate	Moderate	Abundant	Abundant	Abundant	—	Moderate	Moderate	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 3 weeks from Dec. 3rd, 1922.	Warmth ..	1, 2, 0	2, 1, 0	2, 1, 0	2, 1, 0	3, 0, 0	1, 2, 0	1, 2, 0	2, 1, 0	1, 2, 0	—	—	1, 2, 0
	Rainfall ..	0, 3, 0	1, 0, 2	1, 1, 1	1, 0, 2	1, 0, 2	1, 0, 2	1, 1, 1	1, 1, 1	1, 0, 2	—	—	1, 0, 2
	Sunshine ..	1, 2, 0	0, 3, 0	0, 2, 1	1, 1, 1	1, 0 2	1, 1, 1	—	0, 1, 2	0, 1, 2	0, , 2	—	0, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Mean for the Week: Of Daily Min.	Mean for the Week: Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.																						
t Lerwick	54	46	20, 22, 23	34	18th	44·0	37·6	40·9	+0·6	7	0·99	25	+ 3	Lerwick ..	0·2	—	3	—	—	—	—	—
p Deerness, Orkney ..	165	46	20, 23	38	17, 18	44·9	40·3	42·7	+2·5	7	1·23	31	+12	Deerness ..	0·5	- 0·1	8	—	—	—	—	—	—
a Islands *t* Stornoway	51	46	18, 19	35	21, 23	44·4	38·1	41·4	+1·2	7	1·43	36	+ 8	Stornoway ..	0·4	- 0·3	7	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	49	19th	40	21st	46·7	43·3	45·1	—	7	1·13	29	—	Castlebay ..	0·9	—	14	—	—	—	—	—	—
t Wick	81	45	19, 20, 23	34	21st	44·1	39·7	42·0	+2·8	7	0·99	25	+11										
a Strathpeffer	125	45	19th	25	17, 22	40·8	29·3	35·3	—2·6	4	0·70	18	+ 2										
b, Main- *h* Achnashellach	225	47	19th	24	21st	43·1	34·0	38·7	—	4	1·28	32	—	Achnashellach	—	—	—	3	19	—	—	—	—
land. *h* Inverness	242	47	19th	29	21st	43·0	35·1	39·2	—	3	0·23	6	—	Inverness ...	1·4	—	22	4	25	—	—	—	—
a Fort Augustus	68	46	19, 22	21	22nd	44·3	30·7	37·8	—0·7	7	1·06	27	0										
p Fort William	171	47	23rd	24	21st	44·7	35·0	40·0	+0·1	6	2·15	55	+ 9										
1. SCOTLAND, E.																						
t Nairn	82	46	19th	29	21st	41·4	35·0	38·3	+0·6	6	0·30	8	- 2	Nairn ..	1·5	—	24	—	—	—	—	—	—
p Gordon Castle	101	46	23rd	30	17, 20	42·9	34·4	38·8	+0·1	5	0·55	14	+ 2	Gordon Castle	1·0	—	15	—	—	—	—	—	—
t Aberdeen	46	46	23rd	33	17th	43·1	37·9	40·6	+2·0	7	1·48	38	+23	Aberdeen ..	0·4	- 0·7	5	1	26	—	—	43·1	+1·1
a Balmoral	930	45	21st	21	17th	40·4	30·1	35·5	+0·6	7	1·30	33	+18	Balmoral	—	—	—	4	26	—	—	—	—
p Crieff	432	47	23rd	31	18, 21	42·3	34·1	38·4	+0·8	5	1·30	33	+12	Crathes ..	0·6	- 0·4	9	3	21	38·0	—	42·3	—
a Dundee		46	23rd	33	20, 21	43·3	34·7	39·2	+1·5	5	0·50	13	+ 1	Dundee ..	0·9	—	13	2	30	38·6	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	46	19, 23	36	21st	43·7	38·9	41·4	—	6	0·16	4	—	(F. of Forth)	1·1	—	16	1	30	—	—	—	—
p Edinburgh	441	47	23rd	33	20th	43·6	35·9	39·9	+0·9	6	0·46	12	+ 2	Edinburgh ..	1·1	- 0·2	16	1	27	—	—	—	—
a West Linton	769	46	23rd	28	21st	42·0	32·7	37·5	+2·6	7	0·96	24	—	West Linton	—	—	—	5	21	—	—	—	—
a Marchmont	498	45	23rd	28	20th	42·0	32·7	37·5	+0·4	6	0·75	19	+ 6	Marchmont ..	0·4	- 0·6	6	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	48	23rd	25	21st	44·7	34·7	39·9	—	7	2·16	55	—	Ford (Argyll)	—	—	—	2	24	41·0	—	45·9	—
t Renfrew	49	46	19, 22, 23	30	21st	42·7	35·7	39·3	—	6	1·10	28	—	Renfrew ..	0·5	—	7	2	19	—	—	—	—
p Rothesay	200	47	22, 23	31	18th	44·4	36·9	40·8	+0·4	7	1·44	37	+10	Rothesay ..	0·6	—	8	2	26	41·1	—	45·4	+1·5
a Kilmarnock	90	48	23rd	26	21st	44·4	34·7	39·7	+0·8	6	1·30	33	+13	Kilmarnock ..	0·5	—	8	—	—	40·6	—	45·8	—
a Colmonell	170	48	22nd	30	20th	45·9	37·0	41·6	+1·1	6	1·69	43	+16	Colmonell ..	—	—	—	1	26	—	—	—	—
p Dumfries	160	48	22nd	32	21st	44·6	35·3	40·1	+1·4	5	1·74	44	+25	Dumfries ..	0·4	—	6	2	23	41·2	+2·1	44·9	+2·1
t Eskdalemuir	794	43	19, 22	31	21st	40·1	33·4	36·9	—	5	2·13	54	—	Eskdalemuir	0·0	—	0	1	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	48	22nd	35	20th	45·9	39·0	42·6	+0·6	5	1·21	31	+ 7	Douglas ..	1·0	- 0·2	14	1	30	—	—	—	—
2. ENGLAND, N.E.																						
p Cockle Park	324	47	19th	28	20th	42·6	35·1	39·0	+1·8	5	1·14	29	+16	Cockle Park ..	0·6	- 0·7	9	5	18	38·6	+1·2	42·7	+1·3
t Tynemouth	118	46	19, 23	33	20th	44·3	38·0	41·3	+2·2	4	1·19	30	+20	Tynemouth ..	—	—	—	1	29	—	—	—	—
a North .. *p* Durham	336	46	19th	31	20th	43·0	34·7	39·0	+1·4	6	1·36	35	+25	Durham ..	0·3	- 0·9	5	2	27	—	—	—	—
p Rounton	249	46	23rd	31	18th	43·1	34·4	38·9	+1·3	7	1·52	39	+29	Rounton ..	—	—	—	6	20	39·6	—	—	—
a West Witton	605	45	19, 21	30	18th	42·9	34·4	38·8	—	7	2·53	64	—	West Witton	—	—	—	3	27	38·6	—	43·5	—
h Scarborough	118	47	23rd	35	20th	44·7	38·1	41·5	+2·2	5	1·04	26	+15	Scarborough †	0·7	- 0·3	10	—	—	—	—	44·5	—
p York	56	47	19, 22, 23	33	17th	44·7	36·6	40·8	+2·3	7	1·70	43	+33	York ..	0·1	- 0·6	1	—	—	41·9	+1·3	45·1	+0·7
t Spurn Head	26	46	18, 23	36	18, 20, 21	44·1	38·6	41·5	+1·9	6	0·76	19	+10	Spurn Head ..	2·7	—	37	—	—	—	—	—	—
b, South .. *a* Lincoln	58	48	18, 21	32	18th	46·1	35·9	41·2	+3·2	6	2·10	53	+43	Lincoln ..	—	—	—	0	31	40·6	+1·2	44·6	+0·4
t Cranwell	237	48	18th	28	21st	44·7	34·4	39·8	+1·7	6	2·37	60	+49	Cranwell ..	3·1	+1·9	41	3	23	—	—	—	—
														Skegness ..	3·0	+1·5	40	—	—	—	—	—	—
3. ENGLAND, E.																						
a Cromer	196	48	18, 22, 23	32	21st	46·1	36·3	41·4	+2·4	6	0·59	15	+ 7	Cromer ..	2·4	+0·9	32	—	—	—	—	—	—
a Little Massingham	277	47	21, 22	32	18th	45·4	36·3	41·0	+3·8	5	1·16	29	+18	Lit Massingham	2·3	+1·0	31	—	—	—	—	—	—
a, North .. *t* Yarmouth	13	48	18, 22, 23	35	18, 21	46·1	39·0	42·7	+3·8	6	1·18	30	+20	Yarmouth ..	1·9	—	26	1	30	42·7	+1·5	45·9	+0·1
a Norwich	93	48	18, 21-23	32	18th	46·7	37·9	42·5	+4·2	6	1·40	36	+26	Norwich ..	2·3	—	30	2	25	40·2	—	—	—
a Geldeston	37	50	22, 23	33	18th	47·6	37·6	42·8	+3·8	6	0·83	21	+12	Geldeston ..	2·2	+0·7	29	—	—	—	—	—	—
p Cambridge	41	51	18th	34	18, 21	48·3	37·4	43·1	+4·7	6	0·57	15	+ 8	Cambridge ..	2·6	+1·3	34	3	25	42·0	+1·1	45·8	+0·3
b, South ... *t* Clacton-on-Sea ..	54	47	20, 22	37	21st	45·6	40·7	43·3	+4·2	5	0·83	21	+14	Clacton-on-Sea	2·0	+0·4	26	0	34	42·3	0·0	45·6	- 1·2
a Rothamsted	420	48	21st	32	21st	46·0	35·9	41·2	+2·8	5	1·56	40	+29	Rothamsted	2·7	+1·3	35	3	23	40·7	—	—	—
p Tottenham	51	50	22nd	36	21st	47·6	39·9	43·9	—	4	1·13	29	—	Tottenham ..	0·5	—	7	—	—	—	—	—	—
														Southend ..	1·9	—	25	0	33	42·4	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	45	19, 23	30	18th	42·0	34·3	38·3	+0·8	7	2·44	62	+50	Harrogate ..	0·5	- 0·7	7	2	26	40·2	+0·3	42·9	+0·6
a, North .. *p* Sheffield	429	47	18, 22	33	18th	44·6	36·0	40·5	—	7	2·53	64	—	Sheffield ..	2·1	+1·0	29	2	29	39·6	- 0·3	43·7	- 0·5
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton ..	—	—	—	—	—	—	—	—	—
a Worksop	56	49	18th	31	18th	46·6	36·1	41·6	+3·3	7	2·38	60	+50	Worksop ..	1·8	+0·9	25	5	22	40·6	—	41·0	—
t Nottingham	82	49	18th	34	20th	45·4	38·1	41·9	+3·2	5	2·07	53	+43	Nottingham ..	1·8	+1·0	25	2	28	38·6	- 0·6	42·5	0·0
b, East .. *p* Birmingham, Edgbsn..	525	47	18th	32	20th	44·4	36·0	40·4	+1·8	7	2·20	56	+45	Birmingham	1·9	+1·1	26	1	30	41·2	- 0·4	46·4	+0·4
a Raunds	213	50	18, 21	33	18, 21	48·1	36·0	42·3	+4·7	6	1·10	28	+18	Raunds ..	3·2	—	43	1	29	41·6	—	—	—
p Oxford	208	51	18th	36	20, 21	48·1	38·0	43·3	+3·9	0	1·26	32	+22	Oxford ..	3·0	+1·7	41	0	31	—	—	—	—
														Malvern.. ..	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.) ..	646	46	18th	32	20, 21	43·0	34·1	38·7	+1·4	7	2·93	75	+61	Cheadle	—	—	—	3	29	—	—	—	—
e, West .. *p* Tenbury	313	49	18, 21	32	20th	45·4	36·3	41·0	+1·4	6	2·57	65	+56	Tenbury ..	—	—	—	3	30	41·1	—	—	—
a Hereford	291	49	21st	31	20th	44·9	36·0	40·6	+1·5	6	2·37	60	+48	Ross on Wye	2·5	—	32	1	30	41·4	—	45·8	—
a Clifton	225	51	21st	35	20th	47·3	38·4	43·0	+2·2	7	2·54	65	+49	Clifton ..	2·7	—	35	0	33	—	—	—	—
5. ENGLAND, S.E.																						
														Worthing ..	2·1	+0·2	26	1	29	43·7	+1·1	47·0	- 0·2
a Marlborough	424	50	23rd	32	22nd	47·4	34·6	41·3	+3·2	7	1·95	50	+35	Marlborough	1·6	+0·3	21	0	31	41·9	—	45·3	—
a Porton	363	50	18th	31	21st	47·7	35·3	41·8	—	5	2·07	53	—	Porton.. ..	2·8	—	36	1	28	42·0	—	—	—
a Wisley, Surrey..	150	50	18, 22	35	21st	47·7	39·1	43·6	+4·4	5	2·03	52	+41	Wisley, Surrey	2·5	+1·0	32	2	26	42·6	+0·9	45·2	- 0·5
h Tunbridge Wells ..	354	50	18th	35	21st	46·9	38·9	43·1	+3·8	5	2·44	62	+48	Tunbridge Wells	1·6	+0·1	20	1	25	42·9	—	45·9	—
h Margate..	51	51	18th	36	21st	47·6	40·3	44·1	+3·7	5	1·07	27	+18	Margate ..	1·4	- 0·1	18	0	32	43·6	+0·5	46·8	+0·6
t Dungeness	21	49	18, 22, 23	40	21st	47·1	42·4	44·8	+3·9	6	1·12	29	+17	Folkestone ..	2·2	—	27	1	30	—	—	48·1	—
h St. Leonards	178	50	18, 19	37	21st	48·1	40·9	44·6	+3·7	6	1·65	42	+29	St. Leonards..	1·9	0·0	24	0	31	43·3	—	46·7	—
p Southampton	64	51	18, 19	32	21st	49·4	36·0	43·0	+2·0	5	2·57	65	+50	Southampton	2·7	+1·0	34	1	26	—	—	—	—
a Ventnor..	59	51	17, 18	40	20th	49·7	42·1	46·1	- 3·0	6	1·77	45	+31	Ventnor ..	2·0	+0·1	25	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	50	22nd	36	21st	47·7	40·8	44·4	+4·8	6	1·23	31	+22	Richmond	2·5	+1·2	32	0	31	41·9	+0·7	45·9	+0·1
a Westminster	27	51	18, 19, 22	36	21st	49·3	39·9	44·8	+4·2	5	1·31	33	+24	Westminster	2·3	+1·7	30	1	30	—	—	—	—
ae Greenwich	149	49	18, 19, 22	36	21st	48·1	38·7	43·6	+4·2	5	1·24	31	+22	Greenwich ..	2·5	+1·3	32	1	30	—	—	—	—
a Hampstead	450	48	22nd	34	21st	46·6	37·9	42·1	—	5	1·18	30	—	Hampstead ..	2·5	—	32	4	27	—	—	—	—
a Camden Square ..	110	51	21, 22	—	—	48·9	—	—	—	5	1·39	35	+26	Camden Square	—	—	—	0	32	42·4	—	45·9	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate) ..	487	46	22nd	31	20th	43·3	35·3	39·5	+0·9	7	1·53	39	+19	Aspatria	0·2	- 0·9	3	0	31	40·8	+0·6	45·1	+0·7
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	45	19, 22	34	20th	43·6	36·6	40·2	+1·5	7	2·68	68	+46	Stonyhurst ..	0·7	- 0·1	10	2	30	—	—	—	—
h Blackpool	66	48	19th	35	18, 20	45·1	38·6	42·0	+2·3	7	1·90	68	+33	Blackpool ..	0·6	- 0·4	9	1	30	42·7	—	46·9	—
h Southport	37	47	19, 22	35	18, 20	44·7	38·5	41·7	+1·9	7	1·92	49	+35	Southport ..	1·0	0·0	14	0	31	40·2	+1·3	44·7	+2·0
														Hoylake ..	1·6	+0·3	22	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	48	22nd	35	20th	46·0	37·7	42·0	+1·5	7	1·43	36	+24	Liverpool	1·6	—	22	0	31	—	—	—	—
a Hawarden Bridge ..	22	52	22nd	37	18, 20, 21	48·0	39·7	44·0	+2·8	7	2·22	56	+46	Manchester City	0·3	+0·1	5	0	36	41·0	+0·9	45·8	+0·9
p Manchester (Whit. Pk.)	125	48	18, 22	32	20th	45·6	37·1	41·5	+1·5	7	2.33	59	+45	„ Whit. Pk.	1·0	+0·6	14	—	—	—	—	—	—
8. NORTH WALES.																						
h Llandudno	22	51	21st	35	18, 20	47·3	37·4	42·6	+0·1	7	1·82	46	+32	Llandudno ..	1·0	- 0·3	14	—	—	—	—	—	—
t Holyhead	15	49	18, 22	40	18, 20, 21	46·7	41·7	44·3	+1·3	5	1·43	36	+17	Holyhead ..	1·1	—	15	0	38	—	—	—	—
a Aberdovey	60	49	17, 21	38	20th	47·7	41·1	44·5	—	7	1·53	39	—	Aberdovey ..	1·2	+0·1	16	0	33	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Gaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	50	17, 22	38	20th	48·1	41·3	44·8	—	7	1·31	33	—	Aberystwyth	1·0	- 0·2	13	—	—	—	—	—	—
a Rhayader	757	47	17th	33	20th	43·6	36·0	40·0	—	7	3·33	85	—	Rhayader ..	0·9	—	13	1	26	—	—	—	—
t Pembroke	149	50	18, 21, 22	39	20th	49·1	42·3	45·8	+1·5	7	2·02	51	+31	Pembroke ..	1·6	+0·2	21	—	—	—	—	—	—
p Cardiff	202	50	18, 21, 22	34	20th	47·6	37·4	42·7	+2·2	6	3·10	79	+57	Cardiff ..	1·6	—	21	0	32	42·4	+0·9	46·4	+0·4
b, ENGLAND, S.W.																							
h Bath	66	53	22nd	36	21st	46·3	39·3	42·9	+2·4	6	1·87	47	+32	Bath	2·1	+0 8	28	—	—	43·3	—	46·8	—
a Shaftesbury	722	49	17, 21	34	17–21	46·4	35·4	41·1	+2·0	6	1·64	42	+26	Shaftesbury ..	—	—	—	—	—	42·3	—	45·7	—
a Arlington	613	51	17th	32	20th	46·9	35·8	41·6	+1·0	7	3·96	101	+71										
h Newquay	190	52	17, 21	40	19, 20	48·9	42·3	45·7	+0·6	7	3·05	77	+58	Newquay ..	0·9	- 0·7	12	—	—	46·4	—	49·3	—
a Cullompton	202	52	17, 21	34	17, 21	49·1	36·7	43·2	+2·3	7	3·33	85	+65	Cullompton ..	1·4	+0·1	17	3	26	44·1	—	—	—
t Portland Bill	19	52	18th	40	18, 20, 22	50·0	40·7	45·5	+1·2	6	1·99	51	+38	Weymouth ..	2·1	—	26	—	—	—	—	—	—
p Plymouth	116	53	18th	36	20th	50·9	40·0	45·7	+1·9	7	3·77	96	+74	Plymouth ..	2·1	+0·5	26	0	31	45·0	+0·8	48·5	—
h Falmouth	167	53	17th	39	20th	49·6	41·4	45·7	+0·9	7	3·81	97	+69	Falmouth ..	1·9	+0·1	24	0	35	44·4	—	48·4	—
9. IRELAND, N.																							
t Malin Head	71	48	23rd	34	20th	44·3	38·1	41·3	- 1·0	7	0·87	22	+ 4	Malin Head ..	2·1	—	31	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	49	22nd	34	21st	47·3	37·1	42·4	—	7	4 29	109	—	Mallarany ..	0·5	—	6	3	27	—	—	—	—
p Markree Castle.. ..	122	47	21–23	27	17th	44·3	33·6	39·2	- 1·3	7	2·98	76	+51	Markree Castle	0·8	- 0·2	11	4	22	42·1	+0·2	47·6	+1·4
b, East .. *p* Armagh..	204	46	22, 23	29	20th	43·4	35·1	39·4	- 0·8	6	1·33	34	+18	Armagh ..	1·9	+0·7	26	2	24	42·2	+0·8	46·6	+1·4
t Donaghadee	35	47	19, 21, 22	30	20, 21	44·7	38·0	41·5	- 0·2	5	0·81	21	+ 4										
10. IRELAND, S.														Trinity Coll.	—	—	—	2	26	42·8	+0·3	47·0	+1·4
p Dublin City	54	50	21st	33	20th	45·6	37·6	41·8	- 0·6	5	0·44	11	- 2	Phœnix Park	1·9	+0·3	25	I	21	—	—	—	—
t Birr Castle	175	48	21st	30	20th	43·9	35·7	40·0	- 0·5	5	0·95	24	+ 6	Dublin City ..	—	—	—	3	27	—	—	—	—
a, East .. *a* Kilkenny	195	49	21st	28	20th	44·4	33·7	39·3	- 1·3	6	0·83	21	+ 2	Birr Castle ..	—	—	—	3	23	—	—	—	—
a Waterford	137	51	21st	32	20th	46·9	36·1	41·7	- 0·9	6	1·01	26	+ 1										
p Seskin, Carrick-on-Suir	542	48	21st	32	17, 20	45·0	34·9	40·2	—	7	1·80	46	—	Seskin ..	2·1	—	28	3	25	—	—	—[a]	—
a Foynes	50	49	21st	34	20th	45·1	36·7	41·1	- 1·6	7	2·11	53	+27										
b, West .. *t* Cahirciveen (Val. Obs.)	30	53	17th	38	17th	47·9	40·6	44·4	- 0·9	—	—	—	—	Cahirciveen ..	0·9	- 0·4	12	0	34	—	—	—	—
t Killarney	174	49	21st	34	20th	46·7	37·9	42·5	- 0·9	7	2·67	68	+29	Ballinacurra	2·0	+0·6	26	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	53	17th	37	22nd	50·0	42·9	46·6	- 0·3	7	3·25	83	+66	Scilly	1·1	- 0·6	14	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	18th	42	19th	50·3	45·3	47·9	+3·4	7	2·22	56	+40	St. Heliers ..	1·7	- 0·1	21	—	—	—	—	—	—
p Guernsey† ..	173	54	17, 18	41	19th	52·0	42·9	47·6	+3·0	7	3·06	78	+60	Guernsey ..	2·0	+0·3	25	0	37	45·3	- 0·7	48·3	- 0·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 23rd, 1922.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	More than 38 m.p.h. Duration.	25 to 38 m.p.h. Dates of Occurrence.	25 to 38 m.p.h. Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	18, 19	4	17, 18, 19, 21, 22	55	74	23	12	0	140	44	20	19	9	—	—	—	—	—
1. SCOTLAND, E.																					
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	84	79	5	0	140	23	11	17	24	46	21	22	19	15
Dyce	305	75	15*	—	0	—	0	42	103	23	0	150	18	8	23	4	40	18	22	17	40
Edinburgh	485	39	31	—	0	18, 21, 22, 23	24	89	47	8	0	190	38	17	22	15	57	25	22	14	30
6. *a*. SCOTLAND, W.																					
Paisley	188	81	15	—	0	19, 22, 23	12	51	94	11	0	190	32	15	22	22	58	26	22	22	0
Eskdalemuir	825	50	22	22	3	19, 22, 23	18	63	63	20	1	200	42	19	22	22	61	27	22	22	20
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	20, 21, 22	20	70	72	6	0	200	29	13	22	10	55	25	22	9	55
Spurn Head	67	41	‡	20, 21	6	18, 20 to 23	52	87	23	0	0	260	44	20	21	1	59	26	21	0	20
3. ENGLAND, E.																					
Gorleston	52	42	‡	21	1	20 to 23	34	75	46	12	0	190	39	18	21	22	57	25	21	22	10
Shoeburyness	103	90	‡	20, 21, 22	12	19 to 23	39	86	12	0	19	200	45	20	20	10	60	27	20	12	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	17, 20 to 23	39	104	25	0	0	180	38	17	21	19	54	24	21	18	35
5. ENGLAND, S.E.																					
§§ Richmond (Kew Obs.) ..	82	65	7	—	0	20, 21	5	66	90	7	0	170 } 190 }	26	11	{ 20 21	8 23 }	—	—	—	—	—
Petersfield, (Stoner Hill)..	811	42	‡	—	0	20, 21	10	76	82	0	0	260	30	13	20	9	51	23	20	6	20
Brighton	261	53	6			Instrument under repair.															
Larkhill, S'y Plain ..	513	63	43	20, 21	3	20 to 23	37	121	7	0	0	310 } 220 }	40	18	{ 20 21	9 20 }	56	25	23	2	20
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20 to 23	38	102	28	0	0	290	38	17	21	23	—	—	—	—	—
Southport	80	62	48	—	0	17, 19 to 23	44	103	21	0	0	310	33	15	20	18	54	24	18	16	10
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	22	2	17 to 23	92	57	15	2	0	190	40	18	22	15	62	28	22	18	5
8. *b*. ENGLAND, S.W.																					
Plymouth	185	88	2	21, 22	9	18, 20, 21, 22	31	64	47	4	13	—	49	22	21	15	63	28	21	15	20
Pendennis Castle§ ..	256	65	24	21, 22	20	17 to 23	47	88	13	0	0	200	49	22	21	16	65	29	22	21	10
Lyme Regis	554	59	‡	20	1	19 to 23	34	63	62	8	0	—	40	18	20	7	57	25	20	2	35
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	23	1	17, 18, 20 to 23	48	83	33	3	0	240	42	19	23	11	—	—	—	—	—
Quilty	100	40	‡‡	18	1	17 to 23	95	66	6	0	0	—	39	17	18	17	66	29	18	15	40
Cahirciveen (Val. Obs.) ..	98	41	‡‡	22	5	18, 19, 21, 22, 23	58	89	16	0	0	220	43	19	22	4	72	32	22	6	55
Weaver Pt.	160	30	‡	21, 22	10	17, 18, 21, 22, 23	39	63	50	6	0	—	43	19	22	6	78	35	22	6	0
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.
§§ Cup Anemometer.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-FIRST WEEK of 1922—December 17th to December 23rd, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	47	21	43·6	34·9	39·4	+0·2	4	− 6	23	− 6	6	+ 1	1·23	31	+ 3	0·8	+0·2	12	983
Eastern.																			
1. SCOTLAND, EAST ..	47	21	42·2	34·5	38·5	+0·7	1	− 7	25	− 13	6	+ 2	0·85	22	+ 8	0·8	− 0·1	12	984
2. ENGLAND, N.E. ..	48	28	44·1	36·2	40·3	+1·4	6	− 3	18	− 12	6	+ 2	1·46	37	+26	1·3	+0·2	18	989
3. ENGLAND, EAST ..	51	32	46·6	37·9	42·4	+3·6	14	+ 4	11	− 22	5	+ 1	1·03	26	+17	2·1	+0·7	27	995
4. MIDLAND COUNTIES	51	30	45·5	36·3	41·1	+2·4	10	− 1	16	− 19	6	+ 2	2·19	56	+45	2·1	+0·9	27	992
5. ENGLAND, S.E. ..	51	31	47·9	39·0	43·7	+3·3	20	+ 6	8	− 16	6	+ 3	1·79	46	+33	2·0	+0·5	26	996
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	48	25	44·7	36·2	40·6	+0·2	8	− 4	17	− 6	6	+ 2	1·52	39	+12	—	—	—	985
7. ENGLAND, N.W. (*and North Wales*)	52	31	45·7	38·0	42·0	+1·7	10	− 2	10	− 14	7	+ 3	1·92	49	+32	0·9	− 0·1	13	988
8. ENGLAND, S.W. (*and South Wales*)	53	32	47·9	38·5	43·4	+1·1	20	+ 2	10	− 6	7	+ 3	2·88	73	+51	1·5	+0·1	19	992
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·3	+0·2	18	983
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	54	37	50·8	43·7	47·4	+1·7	38	+ 7	0	− 4	7	+ 2	2·84	72	+55	1·6	− 0·1	20	997
MEAN: DISTRICTS 1-10																			

THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, December 3rd to December 23rd, 1922.

0. SCOTLAND, NORTH ..	57	21	45·5	37·7	41·8	+2·7	34	+ 6	39	− 46	17	0	3·98	101	− 7	0·8	+ 0·2	12	1005
Eastern.																			
1. SCOTLAND, EAST ..	57	15	45·2	36·2	40·9	+2·9	31	+ 6	53	− 54	12	− 1	1·37	35	− 20	1·0	− 0·1	15	1007
2. ENGLAND, N.E. ..	56	26	45·9	37·7	42·0	+2·4	38	+ 8	38	− 46	11	− 1	1·87	48	+ 7	1·1	− 0·1	15	1011
3. ENGLAND, EAST ..	54	23	46·4	38·5	42·6	+2·8	42	+ 5	29	− 59	10	− 3	1·25	32	− 8	1·4	0·0	18	1014
4. MIDLAND COUNTIES	56	22	46·7	38·4	42·7	+3·2	46	+ 8	30	− 66	11	− 2	2·51	64	+17	1·0	− 0·2	13	1013
5. ENGLAND, S.E. ..	52	23	47·1	39·4	43·4	+1·8	50	− 5	22	− 40	8	− 4	2·02	52	− 4	1·3	− 0·2	17	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	55	25	47·0	39·1	43·2	+2·5	53	+14	28	− 35	15	+ 1	2·79	71	− 28	—	—	—	1009
7. ENGLAND, N.W. (*and North Wales*)	58	29	47·3	40·4	44·0	+3·0	53	+12	12	− 53	13	− 1	2·62	67	+ 1	0·5	− 0·5	7	1011
8. ENGLAND, S.W. (*and South Wales*)	54	27	48·5	40·5	44·7	+1·7	69	+ 3	13	− 30	12	− 2	3·46	87	− 2	1·0	− 0·5	13	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·7	− 0·5	9	1008
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	54	35	50·4	44·3	47·5	+1·0	115	+ 9	0	− 11	13	− 3	3·29	84	+ 8	1·2	− 0·6	14	1016
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 51 Weeks, January 1st to December 23rd, 1922.

0. SCOTLAND, NORTH ..	76	18	50·5	40·0	45·0	− 0·7	1719	−382	637	−105	244	+ 3	43·13	1096	−173	3·2	+0·1	26	1010
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51·3	39·0	44·9	− 1·1	1846	−473	802	− 73	210	+ 7	26·90	685	− 88	3·5	− 0·2	28	1011
2. ENGLAND, N.E. ..	84	12	53·5	41·1	47·1	− 0·6	2448	−231	628	− 13	182	− 2	24·19	615	− 5	3·9	− 0·1	32	1013
3. ENGLAND, EAST ..	89	16	54·8	42·1	48·2	− 0·5	2765	−316	542	−129	181	+ 1	24·47	622	+29	4·4	0·0	36	1014
4. MIDLAND COUNTIES	86	11	54·7	40·7	47·4	− 0·8	2584	−388	649	− 86	178	− 1	28·78	731	+68	3·7	− 0·2	30	1014
5. ENGLAND, S.E. ..	88	17	55·6	42·8	49·0	− 0·8	2917	−403	430	− 75	175	0	26·71	680	− 4	4·4	− 0·2	36	1015
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	52·9	40·7	46·6	− 0·9	2197	−383	565	− 3	208	− 5	42·07	1073	− 97	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·3	42·3	47·6	− 0·8	2418	−399	426	− 85	189	− 8	30·73	782	− 96	3·9	− 0·1	31	1013
8. ENGLAND, S.W. (*and South Wales*)	85	13	54·8	43·1	48·7	− 1·0	2750	−414	348	− 47	188	− 9	35·61	909	− 59	4·2	− 0·2	34	1015
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·5	− 0·1	28	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·3	47·2	51·6	− 0·6	3478	−306	52	− 69	191	− 15	32·33	824	+ 8	4·7	− 0·5	38	1015
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
29th December, 1922.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 205

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIFTH YEAR. Vol. XXXIX. (New Series) No. 52.

FIFTY-SECOND WEEK.

SUNDAY, DECEMBER 24TH, TO SATURDAY, DECEMBER 30TH, 1922.

Price 6d. Net. Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net

METEOROLOGICAL OFFICE LIBRARY 8 JAN 1923

I.—GENERAL SUMMARY. [First published in 1878.]

Shallow low-pressure systems dominated the weather over the British Islands during the week and rain, hail or snow fell in all parts of the country. Thunderstorms occurred in Scotland during the early part of the week and in the south-eastern and southern parts of England towards the close of the period; the thunder in some instances being accompanied by hail. The winds were westerly or south-westerly in direction and reached the force of a gale in several places. The total amount of rainfall for the week was above the normal in all districts. Amongst the largest measurements reported were 29mm. at Fort William and 27mm. at Fort Augustus on the 25th, 27mm. at Falmouth and also at Cardiff on the 29th, 31mm. at Llandudno and 26mm. at Southampton on the 30th, while a few other stations recorded falls of between 20 and 25mm. Maximum temperatures of 50°F. or slightly above were registered in places on various dates, but at a few stations in Scotland and the northern parts of England on one or two days during the latter half of the week the temperature did not reach 40°F., in fact at Nairn on the 29th the maximum temperature did not rise above 33°F. Screen minima a few degrees below 32°F. were recorded in places, the lowest being 26°F. at Balmoral and at West Linton (Peebles). Ground frost occurred in nearly all parts of the country, the lowest readings of the grass thermometer being 17°F. at Tunbridge Wells on the 25th, and at Cockle Park (Northumberland) on the 28th. Mean temperature for the week was below the normal in Ireland and some parts of Scotland, but generally above elsewhere. The departure of the mean duration of sunshine from the normal for the week ranged from +1·9 hours at Cranwell to —0·7 hours at Cockle Park. Aurora was seen at Fort Augustus on the 30th. Lunar halos were witnessed at a number of stations on various dates, while solar halos were observed at Oxford on the last five days of the week, with a parhelion on the 28th and 29th. A whirlwind was seen at Guernsey at 13h. 30m. on the 27th. It lasted about ten minutes and "caused large seas over a small area."

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.		Frequency.	Mean Value.	
		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	22	16	7·1	21	11	4·8	28	11	4·7	27	7	3·3	20	11	5·1	10	14	6·1	28	13	5·9	18	12	5·4
North	4	6	2·7	3	12	5·5	0	—	—	0	—	—	4	11	4·7	11	10	4·4	0	—	—	8	6	2·9
West	20	11	5·0	23	16	7·0	27	8	3·6	26	8	3·6	26	18	8·1	27	23	10·2	25	17	7·5	25	18	8·1
East	3	6	2·8	1	1	0·5	0	—	—	0	—	—	2	2	1·0	1	8	3·6	1	1	0·5	2	7	3·3
Calm (or wind-speed < 4 m.p.h.)	0	—	—	3	—	—	0	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH. RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (*and I. of Man*).	7. England N.W. (*and N. Wales*)	8. England, S.W. (*and S. Wales*).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (*and Scilly*).
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	—	—	Very Heavy
	Sunshine ..	—	Abundant	Abundant	Abundant	Abundant	Abundant	—	Very Abundant	Moderate	Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 4 weeks from Dec. 3rd, 1922.	Warmth ..	1, 3, 0	2, 2, 0	2, 2, 0	2, 2, 0	3, 1, 0	1, 3, 0	1, 3, 0	2, 2, 0	1, 3, 0	—	—	1, 3, 0
	Rainfall ..	1, 3, 0	2, 0, 2	2, 1, 1	2, 0, 2	2, 0, 2	2, 0, 2	2, 1, 1	2, 1, 1	2, 0, 2	—	—	2, 0, 2
	Sunshine ..	—	1, 3, 0	1, 2, 1	2, 1, 1	2, 0 2	2, 1, 1	—	1, 1, 2	0, 2, 2	1, 1, 2	—	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.			mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
SCOTLAND, N.																							
	t Lerwick	54	47	25, 26	35	28th	44·1	37·6	41·0	+1·2	7	1·06	27	+ 3	Lerwick ..	0·5	—	9	—	—	—	—	—	—
	p Deerness, Orkney ..	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—	—
a Islands	*t* Stornoway	51	48	25th	29	30th	40·7	34·0	37·5	- 2·3	7	1·65	42	+11	Stornoway ..	0·4	- 0·2	6	—	—	—	—	—	—
	t Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
	t Wick	81	47	25th	33	29th	42·3	35·3	38·9	+0·2	4	0·15	4	- 11										
	a Strathpeffer	125	48	24th	27	30th	39·6	32·0	36·0	- 1·5	5	0·70	18	0										
b, Main-	*h* Achnashellach	225	49	25th	30	28th	40·4	34·3	37·5	—	6	3·15	80	—	Achnashellach	—	—	—	—	—	—	—	—	—
land.	*h* Inverness	242	47	25th	28	30th	40·3	35·3	37·9	—	6	1·19	30	—	Inverness ...	1·4	—	22	2	25	—	—	—	—
	a Fort Augustus	68	47	24th	30	28th	41·1	32·7	37·1	- 1·0	7	3·35	85	+55										
	p Fort William	171	48	25th	33	27, 29, 30	42·1	35·6	39·0	- 0·5	7	3·17	81	+29										
1. SCOTLAND, E.																								
	t Nairn	82	48	25th	28	28, 30	39·9	33·4	36·8	- 0·5	5	0·54	14	+ 2	Nairn ..	1·7	—	26	—	—	—	—	—	—
	p Gordon Castle	101	49	25th	27	30th	42·1	32·9	37·7	- 0·6	2	0·49	12	- 1	Gordon Castle	1·7	—	26	—	—	—	—	—	—
	t Aberdeen	46	47	25th	30	28, 30	41·7	35·0	38·5	+0·4	4	0·53	13	- 3	Aberdeen ..	1·0	0·0	15	3	18	—	—	42·5	+1·1
	a Balmoral	930	44	24, 25	26	28, 30	39·9	30·1	35·2	+0·7	5	0·85	22	+ 5	Balmoral	—	—	—	5	19	—	—	—	—
	p Crieff	432	46	25th	30	27, 28	41·1	31·9	36·7	- 0·5	7	1·48	38	+14	Crathes ..	1·3	+0·3	20	5	20	37·6	—	41·6	—
	a Dundee		50	25th	32	28-30	42·7	34·0	38·5	+1·2	4	0·20	5	- 8	Dundee ..	1·1	—	17	4	27	38·4	—	—	—
															Inchkeith									
	t Inchkeith (F. of Forth)	190	49	25th	35	28, 29	43·1	37·6	40·5	—	5	1·03	26	—	(F. of Forth)	1·4	—	20	2	26	—	—	—	—
	p Edinburgh	441	48	25th	32	27th	42·1	35·0	38·7	+0·2	7	1·78	45	+35	Edinburgh ..	1·4	+0·2	21	1	26	—	—	—	—
	a West Linton	769	52	25th	26	28th	41·1	31·3	36·4	+1·9	7	1·50	38	—	West Linton	—	—	—	6	18	—	—	—	—
	a Marchmont	498	46	25th	27	28th	41·3	32·6	37·1	+0·4	6	1·33	34	+20	Marchmont ..	0·9	- 0·1	13	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																								
	a Ford (Argyll)	149	48	25, 26	33	24, 28	44·0	35·4	39·9	—	7	2·63	67	—	Ford (Argyll)	—	—	—	3	23	40·2	—	44·7	—
	t Renfrew	49	48	25th	29	28th	42·4	34·9	38·8	—	7	1·93	49	—	Renfrew ..	—	—	—	2	20	—	—	—	—
	p Rothesay	200	48	25th	34	27-29	42·7	35·7	39·3	- 0·7	7	2·15	55	+26	Rothesay ..	0·9	—	13	4	28	39·9	—	44·3	+0·9
	a Kilmarnock	90	48	24, 25	33	28th	43·9	35·3	39·8	+1·4	7	1·31	33	+11	Kilmarnock ..	0·5	—	7	—	—	39·9	—	44·8	—
	a Colmonell	170	48	24, 25	35	28, 29	44·6	37·7	41·3	+1·4	6	0·81	21	- 8	Colmonell ..	—	—	—	0	31	—	—	—	—
	p Dumfries	160	49	25th	31	28th	43·7	36·6	40·3	+1·9	7	1·46	37	+16	Dumfries ..	1·7	—	24	3	25	40·1	+1·2	44·0	+1·9
	t Eskdalemuir	794	45	25th	28	28th	39·1	33·6	36·5	—	7	1·91	48	—	Eskdalemuir	0·7	—	10	2	23	—	—	—	—
b, I. OF MAN *h* Douglas	284	48	25th	34	27th	44·1	37·7	41·0	- 0·6	6	1·89	48	+22	Douglas ..	2·3	+1.3	32	0	33	—	—	—	—
2. ENGLAND, N.E.																								
	p Cockle Park	324	48	25th	28	28th	42·1	32·9	37·7	+0·8	7	1·34	34	+21	Cockle Park ..	0·7	- 0·7	10	7	17	37·4	+0·3	41·6	+0·8
	t Tynemouth	118	49	25th	34	28th	43·3	36·0	39·8	+1·0	4	1·34	34	+24	Tynemouth ..	—	—	—	3	28	—	—	—	—
	p Durham	336	49	24, 25	29	28th	42·9	33·4	38·3	+1·0	6	1·39	35	+25	Durham ..	2·6	+1·4	36	2	20	—	—	—	—
a North ...	*p* Rounton	249	47	25th	31	28th	42·6	33·7	38·3	+1·0	7	0·95	24	+14	Rounton ..	—	—	—	7	21	38·0	—	—	—
	a West Witton	605	46	25th	33	28-30	41·7	34.9	38·4	—	7	2·08	53	—	West Witton	—	—	—	5	28	37·4	—	42·3	—
	h Scarborough	118	46	24-27	34	28th	45·0	36·4	40·9	+1.9	4	0·60	15	+ 3	Scarborough †	1·3	+0·2	17	—	—	—	—	43·2	—
	p York	56	48	25th	33	28th	44·1	36·3	40·4	+1·2	6	0·58	15	+ 4	York ..	0·6	- 0·2	8	—	—	40·4	+0·3	44·2	+0·5
	t Spurn Head	26	45	25, 29	34	28th	43·1	37·0	40·2	+1·0	4	0·40	10	+ 1	Spurn Head ..	2·4	—	32	—	—	—	—	—	—
b, South ...	*a* Lincoln	58	47	20th	34	28th	44·7	36·0	40·5	+2·8	6	0.80	20	+10	Lincoln ..	—	—	—	0	31	38·0	- 1·0	43·5	+0·1
	t Cranwell	237	47	29th	33	28th	44·0	35·7	40·0	+2·2	5	0·69	18	+ 7	Cranwell ..	3·2	+1·9	42	0	31	—	—	—	—
															Skegness ..	2·7	+1·1	35	—	—	—	—	—	—
3. ENGLAND, E.																								
	a Cromer	196	48	29, 30	32	25, 28	45·7	34·0	40·1	+1·6	5	0·46	12	+ 2	Cromer ..	2·7	+1·5	36	—	—	—	—	—	—
	a Little Massingham ..	277	46	29th	33	25, 28	43·3	34·4	39·0	+2·3	6	0·77	19	+ 5	Lit Massingham	1·7	+0.7	23	—	—	—	—	—	—
a, North ...	*t* Yarmouth	13	48	29th	33	25, 28	44·6	36·1	40·5	+2·1	6	0·37	9	- 3	Yarmouth ..	2·0	—	26	3	25	41·0	+0·3	44·9	- 0·3
	a Norwich	93	48	29th	32	25th	44·9	35·3	40·3	+2·5	5	0·84	21	+ 8	Norwich ..	1·7	—	23	4	25	38·1	—	—	—
	a Geldeston	37	50	29th	32	25th	46·1	35·6	41·1	+2·6	7	0·26	7	- 4	Geldeston ..	2·0	+0·7	26	—	—	—	—	—	—
	p Cambridge	41	50	29th	29	25th	46·0	34·3	40·4	+2·4	5	0.62	16	+ 6	Cambridge ..	1·9	+0·8	25	1	20	39·9	- 0·5	44·9	+0·2
	t Clacton-on-Sea ..	54	47	29th	35	25th	44·0	38·0	41·1	+2·5	5	0·32	8	- 1	Clacton-on-Sea	2·0	+0·8	26	1	30	40·7	- 1·0	44·9	- 1·1
b, South ...	*a* Rothamsted	420	47	29th	27	25th	45·0	31·9	38·7	+0·8	7	1·11	28	+14	Rothamsted	2·5	+1·3	32	6	22	38·1	—	—	—
	p Tottenham	51	50	29, 30	32	26th	46.4	36·0	41·4	—	5	1·26	32	—	Tottenham ..	0·8	—	11	—	—	—	—	—	—
															Southend ..	2·1	—	28	1	30	41·0	—	—	—
4. MIDLAND COUNTIES.																								
	h Harrogate	479	47	25, 26	31	28th	43·6	34·3	39·1	+2.0	7	1·04	27	+11	Harrogate ..	1·5	+0·3	20	—	—	—	—	—	—
a, North ..	*p* Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield ..	—	—	—	—	—	—	—	—	—
	p Buxton	987	43	25th	32	28th	39·9	32·6	36·9	+1·1	7	1·53	39	+ 8	Buxton ..	1·8	—	25	1	29	35·3	- 3·1	41·1	- 1·6
	a Worksop	56	48	24, 25, 29	34	25, 28, 29	46·0	35·4	40·9	+3·0	6	0·52	13	0	Worksop ..	2·1	+1·3	29	6	24	39·0	—	43·0	—
	t Nottingham ..	82	47	25, 29	35	27, 28	44·4	37·0	40·9	+2·6	5	0·65	17	+ 4	Nottingham ..	1·8	+1·0	24	3	29	37·8	- 1·1	41·1	- 0·8
b, East ..	*p* Birmingham, Edgbsn...	525	46	29, 30	32	27th	44·0	34·7	39·5	+1·3	6	1·21	31	+16	Birmingham	2·4	+1·6	32	2	29	39·8	- 1·6	45·6	0·0
	a Raunds	213	49	30th	33	25, 28	46·3	34·6	40·7	+3·5	6	0·70	18	+ 5	Raunds ..	2·1	—	28	1	29	39·8	—	—	—
	p Oxford	208	50	29th	34	24, 25	46·0	36·1	41·3	+2·3	5	1·11	28	+14	Oxford ..	2·2	+0·9	28	4	25	—	—	—	—
															Malvern	—	—	—	—	—	—	—	—	—
	a Cheadle (N. Staffs.) ..	646	45	29th	31	28, 29	42·4	33·1	37·9	+1·0	7	1·18	30	+12	Cheadle	—	—	—	5	24	—	—	—	—
c, West ..	*p* Tenbury	313	48	25th	33	27th	45·0	35·6	40·5	+1·3	7	1·07	27	+15	Tenbury ..	—	—	—	5	28	39·5	—	—	—
	a Hereford	291	48	29th	33	28th	45·0	35·7	40·5	+1·8	7	1·22	31	+15	Ross on Wye	2·1	—	27	3	28	39·4	—	44·5	—
	a Clifton	225	48	25, 28, 29	31	24th	46·1	36·3	41·4	+1·1	7	2·44	62	+41	Clifton ..	1·2	—	16	0	31	—	—	—	—
5. ENGLAND, S.E.																								
	a Marlborough	424	48	28th	28	25th	46·3	34·3	40·5	+2·4	7	1·48	37	+19	Worthing ..	2·3	+0·8	29	5	26	41·0	- 1·1	46·3	- 0·3
	a Porton	363	49	29th	30	24, 25	45·9	32·1	39·3	—	7	1·45	37	—	Marlborough	1·3	+0·3	17	3	28	39·8	—	45·4	—
	a Wisley, Surrey ..	150	50	29th	32	25th	47·1	35·6	41·6	+2·5	6	1·59	40	+27	Porton	2·3	—	29	5	27	38·8	—	—	—
	h Tunbridge Wells ..	354	50	29th	30	25th	47.0	34·9	41·2	+2·1	7	0·94	24	+ 6	Wisley, Surrey ..	2·6	+1·4	34	5	18	39·0	- 2·3	44·2	- 0·9
	h Margate	51	50	29th	36	24, 25, 29	46·4	37·1	41·9	+1·6	5	0·28	7	- 5	Tunbridge Wells	2·7	+1·5	34	5	17	40·7	—	45·1	—
															Margate ..	2·1	+0·9	27	0	32	41·6	- 1·1	45·9	+0·2
	t Dungeness	21	50	29th	33	25th	47·1	39·9	43·6	+2·9	6	0·69	18	+ 4	Folkestone ..	2·5	—	32	1	29	—	—	47·9	—
	h St. Leonards	178	51	29th	35	25th	47·1	37·7	42·6	+1·8	7	1·01	26	+10	St. Leonards ..	2·6	+1·1	32	4	27	41·3	—	46·1	—
	p Southampton	64	51	29th	28	24th	47·1	32·9	40·3	- 0·6	7	2·42	61	+42	Southampton	2·0	+0·7	25	5	21	—	—	—	—
	a Ventnor	59	51	28, 29	38	25, 28	49·0	40·4	44·9	+2·0	7	1·35	34	+17	Ventnor ..	1·6	+0·2	21	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	49	29th	33	25th	45·5	37·1	41·5	+1·9	5	1·09	28	+16	Richmond	2·4	+1·4	31	3	23	39·4	- 1·5	45·0	- 0·3
a Westminster	27	51	29th	33	25th	47·9	36·7	42·5	+2·0	6	1·15	29	+18	Westminster	2·0	+1·5	26	5	26	—	—	—	—
ac Greenwich	149	50	29th	32	25th	46·9	36·0	41·7	+2·4	6	1·12	28	+16	Greenwich ..	2·7	+1·8	35	5	26	—	—	—	—
a Hampstead	450	48	29th	32	24th	44·3	35·3	40·0	—	6	1·11	28	—	Hampstead ..	2·3	—	30	6	25	—	—	—	—
a Camden Square ..	110	50	29th	34	24, 25	47·0	36·0	41·7	+2·1	6	1·26	32	+19	Camden Square	—	—	—	1	30	41.0	—	45·3	—
7. *a*, ENGLAND, N.W.																								
	p Aspatria (Mealsgate) ..	487	47	25, 26	32	28th	44·0	35·4	39·9	+1·6	6	1·76	45	+24	Aspatria	0·8	- 0·1	12	0	31	40·6	+0·4	44·2	+0·3
	p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
	p Stonyhurst	375	48	25th	33	28th	44·0	36.1	40·2	+1·9	7	1·60	41	+16	Stonyhurst ..	1·4	+0·7	20	1	30	—	—	—	—
	h Blackpool	66	49	25th	37	30th	45 1	39·6	42·5	+3·2	7	1·61	41	+25	Blackpool ..	1·6	+0·7	22	0	34	42 1	—	46·2	—
	h Southport	37	49	25th	36	28th	44·7	38·4	41 7	+2·3	7	1·73	44	+28	Southport ..	2·5	+1·6	35	0	32	39·6	+0·9	43·5	+1·3
															Hoylake ..	2·7	+1·5	36	—	—	—	—	—	—
	t Liverpool (Bidston) ..	188	50	25th	35	29th	45·9	38·4	42·3	+2·2	4	1·06	27	+14	Liverpool	3·2	—	44	2	29	—	—	—	—
	a Hawarden Bridge ..	22	51	25th	36	28th	46·9	38·1	42·7	+2·0	5	0·95	24	+13	Manchester City	0·8	+0·5	10	0	36	39·5	- 0·3	44·7	+0·4
	p Manchester (Whit. Pk.)	125	49	25th	34	28th	44·6	36·6	40·8	+1·2	6	0·91	23	+ 7	„ Whit. Pk.	1·5	+1·1	21	—	—	—	—	—	—
b, NORTH WALES.																								
	h Llandudno	22	53	25th	34	28th	46·4	36·9	41·8	- 0·3	6	1·88	48	+32	Llandudno ..	2·2	+1·0	30	—	—	—	—	—	—
	t Holyhead	15	50	25th	39	28, 30	46·0	41·1	43·7	+1·2	6	1·39	35	+15	Holyhead ..	1·8	—	25	0	37	—	—	—	—
	a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the Periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *t* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.					°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	49	25th	39	30th	46·9	41·1	44·1	—	7	1·39	35	—	Aberystwyth	Hr. 1·3	Hr. +0·3	% 18	—	—	—	—	—	—
a Rhayader	757	45	24, 29	34	28th	43·1	36·1	39·7	—	7	1·72	44	—	Rhayader ..	1·6	—	21	2	29	—	—	—	—
t Pembroke	149	50	25, 29	39	24, 30	47·7	42·3	45·1	+1·2	6	1·01	26	+ 1	Pembroke ..	1·4	+0·3	19	—	—	—	—	—	—
p Cardiff	202	50	29th	34	24, 28	46·0	37·0	41·7	+1·6	7	3·24	82	+55	Cardiff ..	1·2	—	15	2	29	40·1	- 1·4	45·6	+0·2
b, ENGLAND, S.W.																							
h Bath	66	50	29th	31	25th	46·6	35·9	41·5	+1·3	7	1·71	43	+25	Bath	1·3	+0 2	17	—	—	41·3	—	45·8	—
a Shaftesbury	722	47	29th	31	28th	45·0	34·0	39·7	+1·1	6	1·50	38	+18	Shaftesbury ..	—	—	—	—	—	40·0	—	44·9	—
a Arlington	613	49	28th	35	24, 26, 28	45·6	36·0	41·0	+0·8	7	2·93	74	+38										
h Newquay	390	51	25, 29	38	28th	47·2	41·4	44·4	- 0·3	7	2·39	61	+27	Newquay ..	1·4	+0·1	18	—	—	44·8	—	48·4	—
a Cullompton	202	50	28th	31	24th	47·3	33·7	40·8	+0·2	7	2·40	61	+37	Cullompton ..	1·3	+0·2	16	5	24	41·8	—	—	—
t Portland Bill	19	51	29th	40	24, 28	49·4	41·6	45·7	+1·9	7	1·60	41	+25	Weymouth ..	1·4	—	17	—	—	—	—	—	—
p Plymouth	116	52	29th	33	28th	49·1	40·1	44·8	+1·4	7	2·26	57	+30	Plymouth ..	1·7	+0·4	22	0	31	42·9	- 1·2	47·7	—
h Falmouth	167	52	29th	38	24, 28	48·1	40·3	44·4	0·0	7	3·39	86	+52	Falmouth ..	1·7	+0·2	21	1	30	42·9	—	46·9	—
9. IRELAND, N.																							
t Malin Head	71	46	25, 30	35	27, 29	44·6	38·4	41·6	- 0·1	7	1·15	29	+13	Malin Head ..	1·4	—	20	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	48	25th	32	28th	44·4	34·9	39·8	- 0·2	7	1·45	37	+11	Markree Castle	1·4	+0·5	19	4	26	41·2	- 0·7	46·5	+0·9
b, East .. *p* Armagh	204	48	25th	33	27, 28, 30	42·1	34·7	38·6	- 1·2	6	0·58	15	- 2	Armagh ..	2·2	+1·3	32	2	30	41·1	- 0·1	45·4	+0·8
t Donaghadee	35	48	25th	35	28th	43·0	37·7	40·5	- 0·7	6	0·52	13	- 4										
														Trinity Coll.	—	—	—	2	30	41·3	- 0·9	45·7	+0·5
														Phœnix Park	2·6	+1·3	36	2	30	—	—	—	—
10. IRELAND, S.														Dublin City ..	—	—	—	3	29	—	—	—	—
p Dublin City	54	51	25th	34	27th	44·9	36·7	41·0	- 1·4	7	0·72	18	+ 3	Birr Castle ..	—	—	—	—	—	—	—	—	—
t Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—										
a, East .. *a* Kilkenny	195	49	24th	30	28th	44·6	32·1	38·6	- 2·0	5	1·25	32	+11										
a Waterford	137	50	24th	33	28th	46·4	35·0	40·9	- 1·7	7	1·07	27	0										
p Seskin, Carrick-on-Suir	542	49	25th	33	24, 27, 28	44·3	35·0	39·8	—	7	1·24	31	—	Seskin ..	2·2	—	30	3	30	—	—	—	—
a Foynes	50	51	24th	34	30th	45·7	36·7	41·4	- 1·3	7	2·27	58	+30										
b, West .. *t* Cahirciveen (Val. Obs.)	30	—	—	—	—	—	—	—	—	—	—	—	—	Cahirciveen ..	—	—	—	—	—	—	—	—	—
t Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	2·5	+1·3	33	—	—	—	—	—	—
t Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	52	28, 29	41	24th	49·7	44·0	47·0	+0·4	7	2·18	55	+32	Scilly ..	1·5	- 0·2	19	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	29th	36	25th	49·0	40·4	44·9	+0·8	7	2·10	53	+31	St. Heliers ..	1·5	- 0·3	19	—	—	—	—	—	—
p Guernsey† ..	173	53	26th	40	24, 25, 28	50·4	41·9	46·3	+2·0	7	1·89	48	+24	Guernsey ..	1·9	+0·3	24	1	30	43·1	- 2·6	47·8	- 0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, December 30th, 1922.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Buildings.	Distribution of Wind. ‡‡: More than 38 m.p.h. Dates of Occurrence.	Duration.	25 to 38 m.p.h. Dates of Occurrence.	Duration.	13 to 24 m.p.h. Duration.	4 to 12 m.p.h. Duration.	Less than 4 m.p.h. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed. m.p.h.	Speed. m/s.	Mid Time. d.	Mid Time. hr.	Highest Gust. Speed. m.p.h.	Speed. m/s.	Time. d.	Time. h.	Time. m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°									
**Deerness (Cup Anr.) ..	188	16	5	—	0	23 to 26, 28	39	81	46	2	0	180	36	16	25	9	—	—	—	—	—
1. SCOTLAND, E.																					
†Aberdeen (Cup Anr.) ..	120	72	12	—	0	25	2	65	84	17	0	220	26	11	25	18	46	21	25	16	30
Dyce	305	75	15*	—	0	—	0	18	98	52	0	200	17	8	25	18	42	19	25	16	30
Edinburgh	485	39	31	25	4	25, 26, 28	37	78	35	14	0	200	42	19	25	6	73	33	25	5	55
6. *a*. SCOTLAND, W.																					
Paisley	188	81	15	—	0	25	15	69	64	20	0	190	30	13	25	4	68	31	25	15	30
Eskdalemuir	825	50	22	25	1	25 to 28	42	41	43	40	1	210	40	18	25	4	58	26	25	4	20
2. ENGLAND, N.E.																					
South Shields	72	61	12	—	0	26	3	100	56	9	0	260	28	13	26	13	48	21	26	14	10
Spurn Head	67	41	‡	—	0	25 to 30	37	120	11	0	0	180	38	17	25	11	51	23	25	10	25
3. ENGLAND, E.																					
Gorleston	52	42	‡	—	0	25, 27 to 30	23	57	84	4	0	200	33	15	27	17	49	22	25	13	25
Shoeburyness	103	90	‡	—	0	25, 27 to 30	40	95	33	0	0	200	**38	17	25	15/16	53	24	30	11	5
4. MIDLAND COUNTIES.																					
Benson	270	84	‡	—	0	25, 29, 30	11	114	38	5	0	250	30	13	29	22	45	20	29	21	50
5. ENGLAND, S.E.																					
§§ Richmond (Kew Obs.) ..	82	65	7	—	0	25, 30	3	52	105	8	0	210	25	11	25	11	—	—	—	—	—
Petersfield, (Stoner Hill)..	811	42	‡	—	0	—	0	75	81	0	0	—	—	—	—	—	47	21	30	1	0
Brighton	261	53	6			Instrument under repair.															
Larkhill, S'y Plain ..	513	63	43	—	0	25, 27, 29, 30	25	123	20	0	0	210	32	14	25	10	43	19	29	21	10
7. *a*. ENGLAND, N.W.																					
Fleetwood (Cup Anr.) ..	109	44	—	—	0	25 to 28	38	97	30	3	0	170	33	15	25	10	—	—	—	—	—
Southport	80	62	48	25	1	25 to 30	60	84	21	2	0	250	39	17	25	23	53	24	26	2	20
7. *b*. NORTH WALES.																					
Holyhead	64	45	‡	27	4	24 to 30	56	99	9	0	0	270	43	19	27	21	59	26	27	20	30
8. *b*. ENGLAND, S.W.																					
Plymouth	185	88	2	29	1	25, 28, 29, 30	25	78	57	7	0	—	43	19	29	18	54	24	29	18	30
Pendennis Castle§ ..	256	65	24	25	7	25, 27 to 30	33	88	36	4	0	220	44	19	25	11	56	25	25	5	35
Lyme Regis	554	59	‡	—	0	25	10	68	79	11	0	—	33	15	25	10	51	23	25	11	25
10. IRELAND, S.																					
Kingstown (Cup Anr.) ..	49	27	—	25	1	24 to 30	65	70	31	1	0	230	40	18	25	19	—	—	—	—	—
Quilty	100	40	‡	25, 27	6	24 to 28	62	84	15	1	0	—	43	19	25	9	68	31	27	14	50
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	24, 25, 27 to 30	40	111	17	0	0	210	38	17	25	2	60	27	25	1	55
Weaver Pt.	160	30	‡	25	1	24, 25	13	74	76	4	0	—	41	18	25	5	62	28	25	5	20
11. ENGLISH CHANNEL.																					
Scilly (Cup Anr.) ..	150	19	—	25, 27, 29, 30	13	24 to 30	72	79	4	0	0	270	45	20	29	24	—	—	—	—	—

‡‡ In the case of an anemometer with the ideal exposure at "33ft. in the open" the ranges adopted for this classification correspond with those assigned to the following wind forces on the Beaufort Scale:—8 and above, 6 and 7, 4 and 5, 2 and 3, 0 and 1. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees. ‡ Standard mounting.
§Direction from the Robinson Anemometer at Falmouth Observatory † Gust taken from the Pressure Tube Anemometer. **For Deerness the week ends at midnight on Friday.
§§ Cup Anemometer. ** Also from 190° on the 27th at 16h. and from 230° on 30th at 11h.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1922—December 24th to December 30th, 1922.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall: Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine: Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ..	49	27	41·5	34·5	38·1	− 0·7	0	− 7	27	− 6	6	+ 1	1·89	48	+16	—	—	—	983
Eastern.																			
1. SCOTLAND, EAST ..	52	26	41·3	33·1	37·4	0·0	0	− 6	32	− 10	5	+ 1	0·98	25	+ 9	1·3	+0·3	19	985
2. ENGLAND, N.E. ..	49	28	43·5	35·3	39·6	+1·0	4	− 4	21	− 12	5	+ 1	0·90	23	+12	1·8	+0·7	25	993
3. ENGLAND, EAST ..	50	27	45·1	35·1	40·3	+2·0	9	+ 1	21	− 14	6	+ 2	0·67	17	+ 5	1·9	+0·8	26	999
4. MIDLAND COUNTIES	50	31	44·9	35·3	40·3	+2·0	8	− 2	20	− 17	6	+ 2	1·11	28	+13	1·9	+0·9	25	997
5. ENGLAND, S.E. ..	51	28	46·9	36·2	41·7	+1·4	14	0	16	− 11	6	+ 2	1·24	31	+15	2·2	+1·0	28	1001
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	49	29	43·6	36·2	40·1	+0·1	4	− 7	18	− 11	7	+ 2	1·74	44	+14	—	—	—	989
7. ENGLAND, N.W. (*and North Wales*)	53	32	45·3	37·7	41·7	+1·8	9	− 3	11	− 16	6	+ 2	1·40	36	+17	1·9	+0·9	25	993
8. ENGLAND, S.W. (*and South Wales*)	52	31	46·8	37·7	42·4	+0·5	15	− 2	12	− 7	7	+ 2	2·18	55	+28	1·5	+0·3	19	998
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·8	+0·8	25	989
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	53	36	49·7	42·1	46·1	+0·7	29	0	0	− 6	7	+ 2	2·06	52	+29	1·6	− 0·1	21	1001
MEAN: DISTRICTS 1-10																			

THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, December 3rd to December 30th, 1922.

0. SCOTLAND, NORTH ..	57	21	44·5	36·9	40·9	+1·9	34	− 1	66	− 52	23	+ 1	5·87	149	+ 9	—	—	—	1000
Eastern.																			
1. SCOTLAND, EAST ..	57	15	44·2	35·4	40·0	+2·1	31	0	85	− 64	17	0	2·35	60	− 11	1·1	+ 0·1	16	1001
2. ENGLAND, N.E. ..	56	26	45·3	37·1	41·4	+2·0	42	+ 4	59	− 58	16	0	2·77	71	+19	1·3	+ 0·1	17	1006
3. ENGLAND, EAST ..	54	23	46·1	37·7	42·0	+2·5	51	+ 6	50	− 73	16	− 1	1·92	49	− 3	1·5	+ 0·2	20	1010
4. MIDLAND COUNTIES	56	22	46·2	37·6	42·1	+2·9	54	+ 6	50	− 83	17	0	3·62	92	+30	1·2	+ 0·1	16	1009
5. ENGLAND, S.E. ..	52	23	47·1	38 6	42·9	+1·6	64	− 5	38	− 51	14	− 2	3·26	83	+11	1·6	+ 0·2	20	1012
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	55	25	46·1	38·3	42·4	+1·9	57	+ 7	46	− 46	22	+ 3	4·53	115	− 14	—	—	—	1004
7. ENGLAND, N.W. (*and North Wales*)	58	29	46 8	39·7	43·4	+2·7	62	+ 9	23	− 69	19	+ 1	4·02	103	+18	0 8	− 0·2	11	1007
8. ENGLAND, S.W. (*and South Wales*)	54	27	48 1	39·8	44·1	+1·4	84	+ 1	25	− 37	19	0	5·64	142	+26	1·1	− 0·3	14	1010
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·0	− 0·2	13	1003
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	54	35	50·2	43·7	47·1	+0·9	144	+ 9	0	− 17	20	− 1	5·35	136	+37	1·3	− 0·5	16	1013
MEAN: DISTRICTS 1-10..																			

THE YEAR. Aggregates, &c., for the Period of 52 Weeks, January 1st to December 30th, 1922.

0. SCOTLAND, NORTH ..	76	18	50·3	39·8	44·9	− 0·7	1719	−389	664	−111	250	+ 4	45·02	1144	−157	—	—	—	1009
Eastern.																			
1. SCOTLAND, EAST ..	80	8	51 1	38·9	44·8	− 1·0	1846	−479	834	− 83	215	+ 8	27·88	710	− 79	3·4	− 0·2	28	1011
2. ENGLAND, N.E. ..	84	12	53·3	41·0	46·9	− 0·6	2452	−235	649	− 25	187	− 1	25·09	638	+ 7	3·9	− 0·1	32	1013
3. ENGLAND, EAST ..	89	16	54·6	42·0	48·1	− 0·4	2774	−315	563	−143	187	+ 3	25·14	639	+34	4·4	+ 0·1	36	1014
4. MIDLAND COUNTIES	86	11	54·5	40·6	47·3	− 0·7	2592	−390	669	−103	184	+ 1	29·89	759	+81	3·7	− 0·1	30	1014
5. ENGLAND, S.E. ..	88	17	55·4	42·7	48·8	− 0·8	2931	−403	446	− 86	181	+ 2	27·95	711	+11	4·4	− 0·1	36	1014
Western.																			
6. SCOTLAND, WEST (*and Isle of Man*)	82	15	52·7	40·6	46·5	− 0·9	2201	−390	583	− 14	215	− 3	43 81	1117	− 83	—	—	—	1012
7. ENGLAND, N.W. (*and North Wales*)	86	20	53·1	42·2	47·5	− 0·8	2427	−402	437	−101	195	− 6	32·13	818	− 79	3·8	− 0·1	31	1013
8. ENGLAND S.W. (*and South Wales*)	85	13	54·6	43·0	48·6	− 0 9	2765	−416	360	− 54	195	− 7	37·79	964	− 31	4·2	− 0·1	34	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·4	− 0·1	28	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (*and Scilly*)	81	28	56·1	47·1	51·5	− 0·6	3507	−306	52	− 75	198	− 13	34·39	876	+37	4·7	− 0·4	38	1015
MEAN: DISTRICTS 1-10..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
5th January, 1923.

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